

Installation instructions for compact wheel bearings

for axle types:

S9-3718, S/Z9-4218, S/Z9-4220, S/Z11-4218, S/Z11-4220, S/Z7-3015,
S/Z9-3020, S/Z9-3720, S/Z11-3020, S/Z11-3720, BI9-19K, BI9-19W, BI9-22K01, BI9-22W,
BI9-22W-6, BA9-22K01, SK RB 9022KI (01), SK RB 9019KI, SK RB 9019WI, SK RB 9022WI

Repair kits:

- 3 434 3018 00
- 3 434 3019 00
- 3 434 3020 00
- 3 434 3021 00
- 3 434 3022 00



1 General information

Please read these instructions completely and carefully before starting any repair work. Keep the manual to hand in a safe place, so that you have the necessary information available at all times. This manual describes how to remove and fit the wheel bearing and is addressed exclusively to the trained specialist staff of qualified vehicle repair workshops and authorized vehicle service businesses. The removal and fitting of the wheel bearing may only be carried out by this group of people and taking account of the generally accepted rules of engineering practice and the applicable safety regulations. It is essential to ensure that staff and third parties are not endangered in any way. All safety instructions and warnings in this manual must be followed rigorously.

1.1 Safety information and warnings

Safety instructions and warnings that are marked with a danger sign and the signal words DANGER, WARNING or CAUTION are there to warn you of potential hazards to personal safety.

Failure to follow all prescribed measures at all times may result in injury or death.

DANGER

The signal word DANGER indicates hazards that lead directly to severe injuries or death.

WARNING

The signal word WARNING indicates hazards that may lead to severe injuries or even death.

CAUTION

The signal word CAUTION indicates hazards that may lead to minor injuries.

NOTICE

The signal word NOTICE indicates hazards that may lead to material damage.

IMPORTANT

The word IMPORTANT indicates relevant procedures, engineering practices or conditions.

INFORMATION

The word INFORMATION indicates useful additional information.

1.2 Safety

Wear appropriate working clothes (protective gloves, protective footwear, safety glasses, etc.)

1.3 Legal notices

SAF-HOLLAND shall not be held liable for any damage unless caused by wilful intent or gross negligence on the part of SAF-HOLLAND.

SAF-HOLLAND reserves the right to make technical changes at any time and without prior announcement. SAF-HOLLAND shall not be held liable for the correctness, completeness and up-to-dateness of this manual. The content and information contained in this manual represent neither guarantees nor contractually warranted attributes, and nor may they be interpreted as such. Any disputes arising from or based on this manual shall be governed by German law. Place of jurisdiction is Aschaffenburg.

The original version of this manual is in the German language. In cases of doubt, solely the German original version shall be valid as a reference document.

1.4 Ordering and contact information

The wheel bearing repair kits with Article nos. 3 434 3018 00 to 3 434 3022 00 can be ordered from authorized SAF-HOLLAND spare parts dealers, indicating the appropriate Article number.

The repair kit consists of:

- a taper bearing (two-part bearing)
- an inner seal ring
- an outer seal ring
- a retainer ring
- an O-ring
- fitting lubricant
- bearing grease
- optional, depending on the model:
an exciter ring



Pictured with exciter ring



Pictured without exciter ring

1.5 Installation

Recommended installation tools:

- 1 434 3321 00
- 1 434 3322 00



Installing tool for bearing ring and exciter ring 1 434 3321 00



Installing tool for seal 1 434 3322 00

⚠ WARNING

Fit the wheel hub only in accordance with the manufacturer's instructions. In doing so, ensure that the axle stub is first cleaned to remove all traces of dirt and grease. The axle stub should be lightly greased again afterwards. After re-fitting the re-assembled wheel hub, check the end-float of the wheel-hub and adjust if required. The wheel hub must be checked for damage before being re-assembled. It is not permissible to repair damage wheel hubs.

Should you have questions that are not answered by these instructions, please contact the SAF-HOLLAND customer service directly on Tel. +49 6095 301 602, or visit the SAF-HOLLAND website at www.safholland.com.

2 Removing the bearings

1. Remove the exciter ring and clean the exciter ring housing.



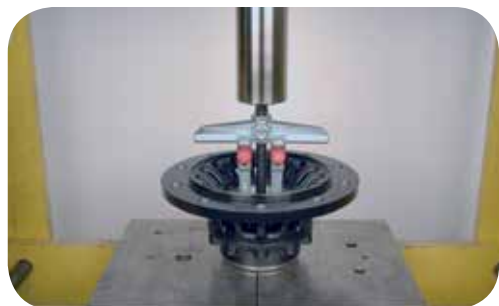
2. Remove the retainer ring with the appropriate tools.



3. Using a workshop drift and hammer, drive the inner bearing rings out of the wheel hub together with the sealing rings.



4. Press the outer bearing rings out with a suitable tool.



5. Clean the bearing housings (should be completely grease-free).
Make sure that the hub unit shows no signs of damage.



3 Fitting the bearings

1. Use SAF-HOLLAND tool 1 434 3321 00 to fit the new bearing outer rings.



2. Lubricate the bearing inner rings with 90 g SAF-HOLLAND grease, Article no. 05 387 0026 09 (included in repair kit).



3. Insert bearing inner rings into the hub unit.



4. Mount the sealing ring (on the outside) using SAF-HOLLAND tool 1 434 3322 00.



5. Mount the sealing ring (on the inside) using SAF-HOLLAND tool 1 434 3322 00.



3 Fitting the bearings

6. Use SAF-HOLLAND tool 1 434 3321 00 to press on the new exciter ring.



7. Insert the bearing retainer ring.



8. Ensure the retainer ring is fitted correctly. The retainer ring should audibly click into place. Only then are the two halves of the bearing aligned and fitted together correctly.



9. Fit the o-ring into the groove provided for it.



We are always there for you

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