

SKF Technical Bulletin

VKBA 5424 – New SKF wheel bearing design with Mandatory mounting instructions to follow



RENAULT C/T/K series, Magnum, Premium 2
VOLVO FE, FH, FM



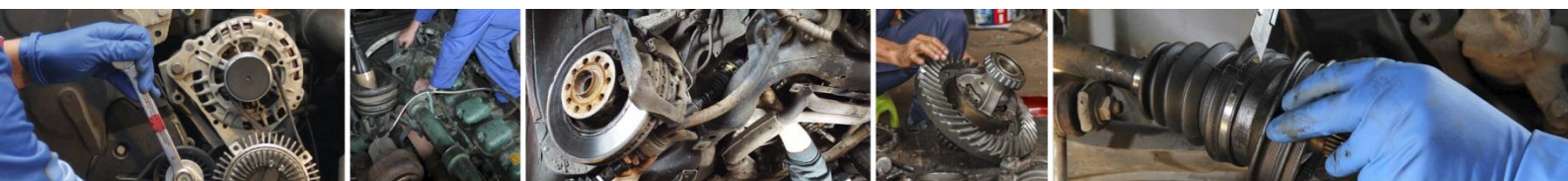
New SKF Wheel bearing design with Mandatory mounting instructions MI-542647 to follow



OE Nb: 7420518617, 7420697830, 742102138 and Volvo 20518617, 20967830

For above applications, SKF has applied a new wheel bearing design with specific fitting instructions. The outboard and inboard seals are delivered as separate components in the Wheel bearing kit VKBA 5424.

Note! The mounting tool is pre-assembled on the bearing and should not be removed before the bearing is mounted onto the knuckle!



VKBA 5424 – New SKF wheel bearing design with Mandatory mounting instructions to follow



It is mandatory to follow below SKF Fitting Instructions (MI-542647) showing the complete mounting, available through the QR Code printed on the SKF box (or flash QR code below) and in E-catalogues such as TecDoc.

SKF

Install confidence

MI-542647

Mounting instruction

Non-Driven axle



Outboard – Part index

- A Outer seal
- B Outboard mounting tool (Do not remove until the bearing is fitted)
- C Outboard bearing
- D Security ring

Inboard – Part index

- E Internal seal
- F Inboard mounting tool (do not remove until the bearing is fitted)
- G O-ring
- H Inboard bearing



Legend

- Mounting
- Inspection
- Dismounting
- Warning
- Adjust and clean

THE POWER OF KNOWLEDGE ENGINEERING

- 1 Dismantle the bearing to be replaced, being careful not to damage the hub. Clean the surfaces and verify that the hub is not damaged. Use a plate of equal diameter or max 10 mm less diameter of the bearing to assure a correct disassembly without damaging the hub.

Outer side assembly – "Outboard"

- 2 Start the assembly fitting the bearing with the inscription "Outboard" (C). Place an intermediate plate* on the plastic assembly tool (B) and Apply a force of up to Max 6T with a press on that plate.
- 3 Remove the plastic assembly tool (B) with both hands and turn it around. Be careful not to contaminate the grease.
- 4 Place the seal (A) according to the application following the diagram. Note seal orientation. Fit the seal using the plastic assembly tool (B) and the intermediate plate both in an inverse position. Apply a force of up to Max 3T with a press on the plate.
- 5 Remove the plastic assembly tool (B) and turn the hub around.

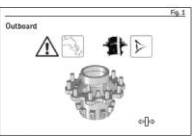


Fig. 1

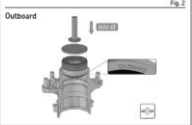


Fig. 2

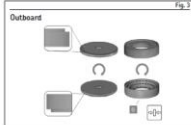


Fig. 3

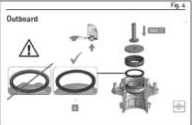


Fig. 4




Fig. 5

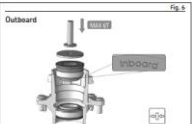


Fig. 6

2

Internal side assembly – "Inboard"

- 6 Fit the "Inboard" bearing (H) using the plastic assembly tool (F) with the intermediate plate, applying a force of up to Max 6T on the plate.
- 7 Remove the plastic assembly tool (F) with both hands and turn it around. Be careful not to contaminate the grease.
- 8 Place the seal (E) following the diagram. Fit the seal using the plastic assembly tool (F) and the intermediate plate both in an inverse position. Apply a force of up to Max 3T with a press on the plate.
- 9 Remove the plastic assembly tool (F) and verify that the O-ring (G) stays inserted completely and remains in the groove.
- 10 Mount the security ring (D) and verify that it has stayed correctly placed in the grooves and that it can rotate freely.
- 11 Secure the nut with the torque recommended by the manufacturer at the same time you rotate the hub.

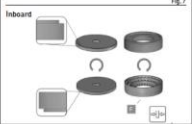


Fig. 7

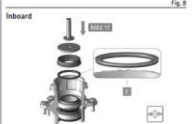


Fig. 8




Fig. 9




Fig. 10




Fig. 11

3

[Click here to watch SKF technical videos on Youtube](#)

