

User's manual

Universal Wheel Bearing Tool Set

61479

XPO ^{the} **tool**
experts



Illustration similar, may vary depending on model

Please read and follow the operating instructions and safety information prior to initial operation.

Technical changes reserved!

Illustrations, functional steps, and technical data may deviate insignificantly due to continuous further developments.



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Introduction

Thank you for choosing to purchase this quality product. To minimise the risk of injury, we ask you to always take some basic safety precautions when using this product. Please read this operating manual carefully and make sure that you understand it.
Keep these operation instructions in a safe place.

Safety instructions

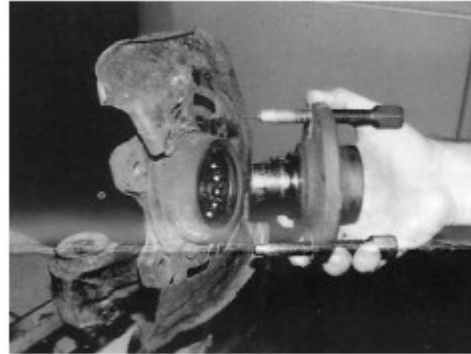
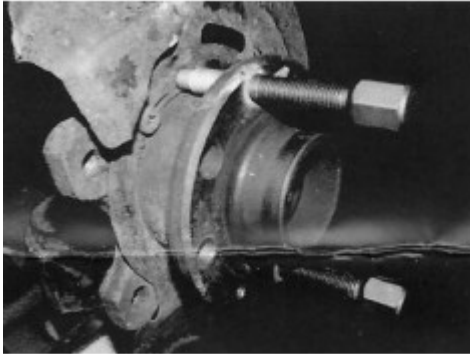
- The wheel bearing tool may only be used for its intended purpose.
Attention! When parts to be removed are loosened, the puller might spring back with the loosened component thus representing a danger. Therefore, never stand behind the puller in the direction of a possible rebound.
- Always wear personal protective equipment.
- Before each use of the wheel bearing tool, carry out a visual inspection to identify any damage and, if necessary, replace a damaged part.
- Any part that might have been overloaded must be taken out of service immediately.
- Before straining individual threads, make sure that enough thread turns are engaged.

Scope of delivery

Name	Qty.	Name	Qty.
Adapter plate \varnothing 50 mm	1	Bushing \varnothing 83.4 mm	1
Bushing \varnothing 55 mm	1	Sleeve \varnothing 76 mm	1
Bushing \varnothing 59 mm	1	Sleeve \varnothing 86 mm	1
Bushing \varnothing 63.3 mm	1	Sleeve \varnothing 91 mm	1
Bushing \varnothing 66.6 mm	1	Sleeve \varnothing 102 mm	1
Bushing \varnothing 70.3 mm	1	Disassembly screw M12 \times 1.5 (for the disassembly of the wheel hub)	3
Bushing \varnothing 71.5 mm	1	Disassembly screw M14 \times 1.5 (for the disassembly of the wheel hub)	3
Bushing \varnothing 73.1 mm	1	Extracting screw 22.2 mm \times 300 mm	1
Bushing \varnothing 73.4 mm	1	Thrust bearing	3
Bushing \varnothing 74.8 mm	1	Screw-down nut SW 32 \times 60 mm	1
Bushing \varnothing 77.5 mm	1	Pressure sleeve \varnothing 38 \times 40 mm	1
Bushing \varnothing 81.5 mm	1	Pressure sleeve \varnothing 40 \times 3 mm	1

Removal

Step 1

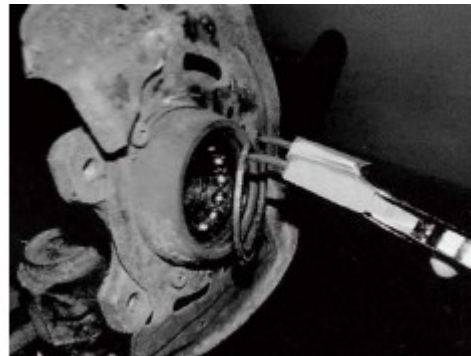


Choose the disassembly screw depending on the wheel bolt thread – M12×1.5 or M14×1.5 – and screw it into the thread of the wheel hub. **Attention!** Two points of support on the wheel bearing housing are not necessary. Alternating support on one side of the wheel bearing housing can be done as described in the following:

1. Turn the disassembly screw until the point of support.
 2. Turn the disassembly screw one more turn.
 3. Relieve the screw by turning it back.
 4. Turn the wheel hub 180° until the second screw touches the point of support.
 5. Proceed with the other screw in the same way as described from step 3.
- Attention!** Always work steadily to prevent tilting.

Step 2

Use suitable pliers to remove the retaining ring.



Step 3

Select the appropriate sleeve according to the wheel bearing housing diameter, place it on the appropriate stepped plate, and select the appropriate bushing depending on the bearing diameter. In the best case, the bushing is used with the collar pointing towards the bearing for better guidance. If the collar does not fit easily into the inner diameter of the bearing, the washer can also be inserted with the collar pointing towards the outside.



Step 4

The individual wheel bearing tool components are now placed on the extracting screw in the following order:

- Thrust bearing
- Pressure sleeve
- Stepped plate
- Sleeve

Extracting screw first, insert this unit into the bearing. Now place the other side with the appropriate bushing, pressure sleeve, and screw-down nut (with the screw-in aid first) on the extracting screw.



Attention! Check for correct fit before tightening!

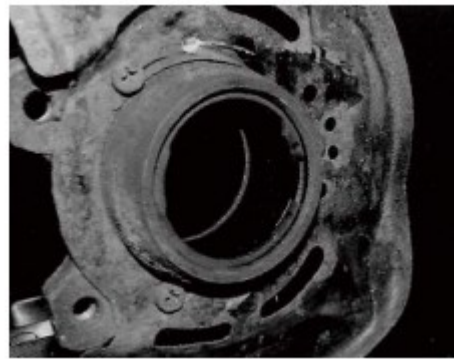
Always tighten the extracting screw on the thrust bearing side and counter-hold with a wrench on the other side.

Once the bearing has been pulled out, the complete unit can be removed from the wheel bearing housing towards the pull-out sleeve side.

Now dismantle the tool again.

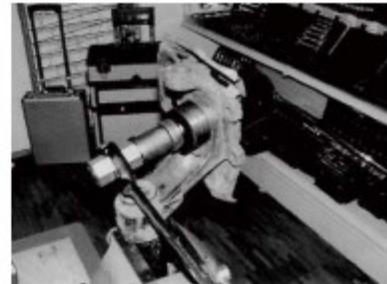
Assembly

Step 1



Mount the front circlip into the wheel bearing housing as a stop.

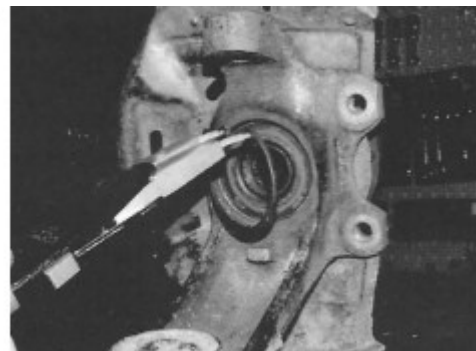
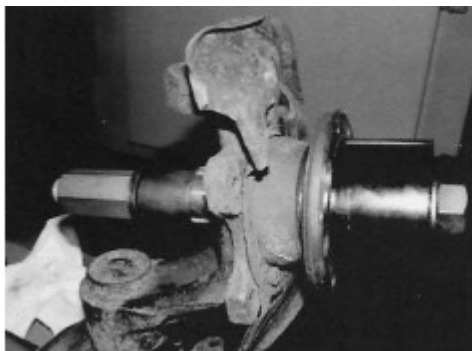
Step 2



Position the new bearing from behind in front of the wheel bearing housing and insert the pull-out sleeve with the spindle into the wheel bearing housing. Attach the following pull-out parts as described under point 4 (removal). Now the installation process can begin.

Attention! Make sure that the new bearing is positioned correctly to avoid tilting.

Step 3



After the bearing has been pulled in, the rear assembly of the extracting screw is removed again up to the pressure sleeve in preparation for wheel hub installation and the extracting screw is pulled completely out of the axle beam. The wheel hub is now pushed onto the extracting screw in front of the sleeve. Insert the extracting screw back into the wheel bearing housing and attach the rear pull-out parts as usual. Now the installation of the wheel hub can begin.



Attention! Ensure that the wheel hub is inserted cleanly and is not tilted. Finally, the rear retaining ring is removed.

Adapter plate

The 50-mm plate is used to hold all bushings for use with a shop press.

Maintenance and care

The threads of the extracting screw and press-off bolts are exposed to high strain. All threads must be clean and lubricated when used. The threads of the extracting screw and press-off bolts should be lubricated with a heavy-duty grease before each use.

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