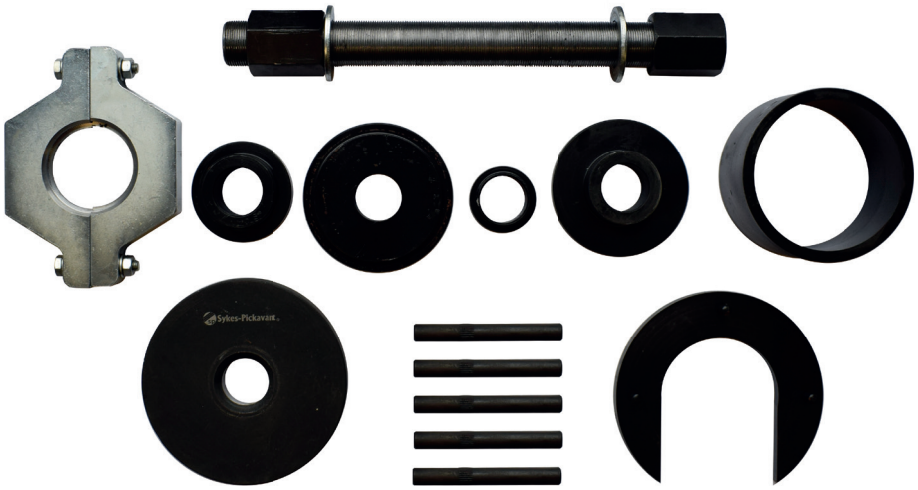
Sykes-Pickavant®
Specialist Tool Solutions

DATA SHEET

MERCEDES-BENZ VITO REAR GEN 2 BEARING KIT

08122500

ON VEHICLE SOLUTION



Applications:

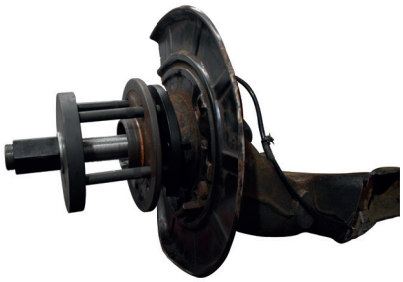
- Viano (W639) '03 -
- Vito Mixto (W639) '03 -
- Vito Minibus (W639) '03 -

OEM References:

- OE-6393340006
- OE-639 981 04 27 S1
- OE-A6399810427
- OE-6399810427
- OE-A6393340006
- OE-A6399810427S1

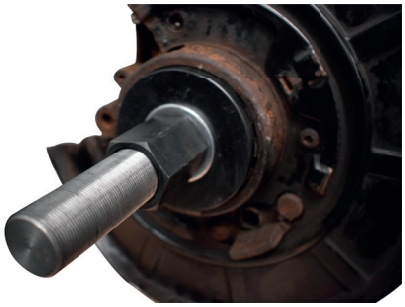
- Mercedes-Benz Vito W639 model specific
- Accommodates the larger 92mm bearing, which is required for this application
- Can be completed without the removal of the ABS sensor which can otherwise become damaged in the removal process
- Includes a large finely threaded spindle which eliminates the need for hydraulics whilst helping the bearing alignment for installation

Installation of the wheel hub flange



Removal of the wheel hub flange

Removal of the wheel bearing



Installation of new bearing

ABS sensor shown with clearance

Removal of inner race can be done with workshop press or spindle and nuts

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CONTENTS / SPARE PARTS

INSTRUCTIONAL VIDEO

Reference	Part Number	Description
A	081225-01/02/03	Main Force Screw Nut & Washer
B	081225-04	Inner Race Puller
C	081225-05	Back Plate Removal
D	081225-06	Back Plate Installation
E	081225-07	Hub Back Adaptor
F	081225-08	Front Plate Installation
G	081225-09	Removal Ring
H	081225-10	Top Plate
I	081225-11	Set of Pins (5pc)
J	081225-12	Hub Pressure Plate

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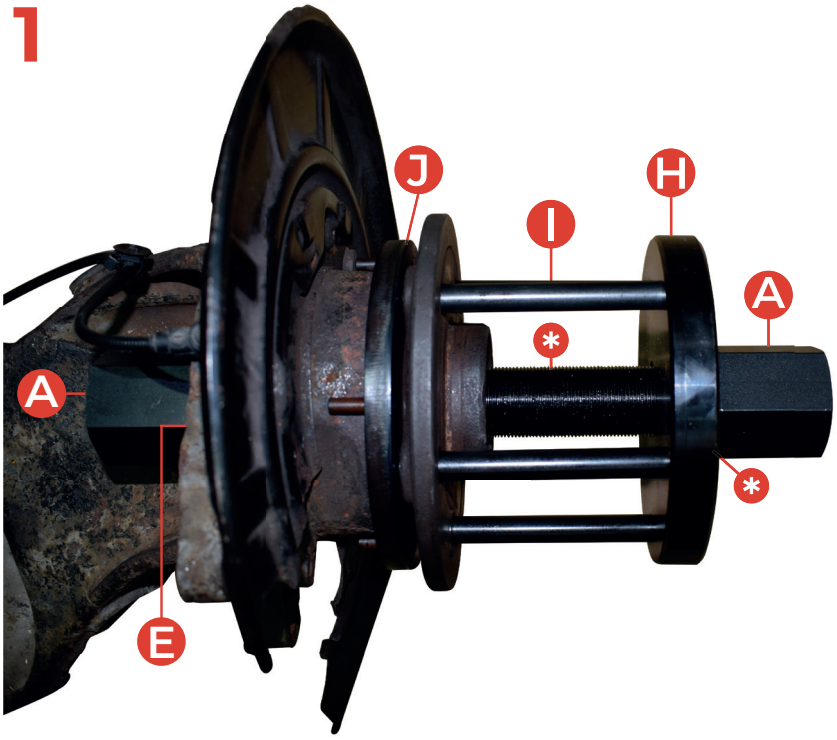
IMPORTANT: ALWAYS LUBRICATE THE SCREW THREADS WITH MOLYBDENUM DISULPHIDE (BLACK GREASE) BEFORE USING THE TOOL

1



Removal of Wheel Hub

1. Assemble as shown - only 4 pins required for this stage

2. Align the pins (I) with plate (J)

3.Remove bearing by turning nut and force screw with two suitable spanners

*(Force screw and nut surface must be lubricated)

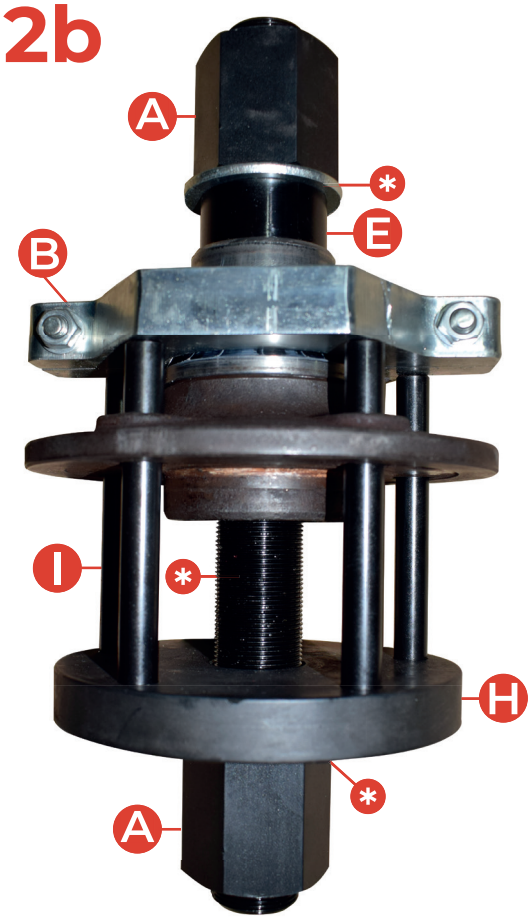
(DO NOT USE IMPACT TOOLS)

Removal of Inner Race

2a

OR

2b



Method 1

Using a workshop press (2a)

(DO NOT USE IMPACT TOOLS)

Method 2

Using the screw method (2b)

*(Force screw and nut surface must be lubricated)

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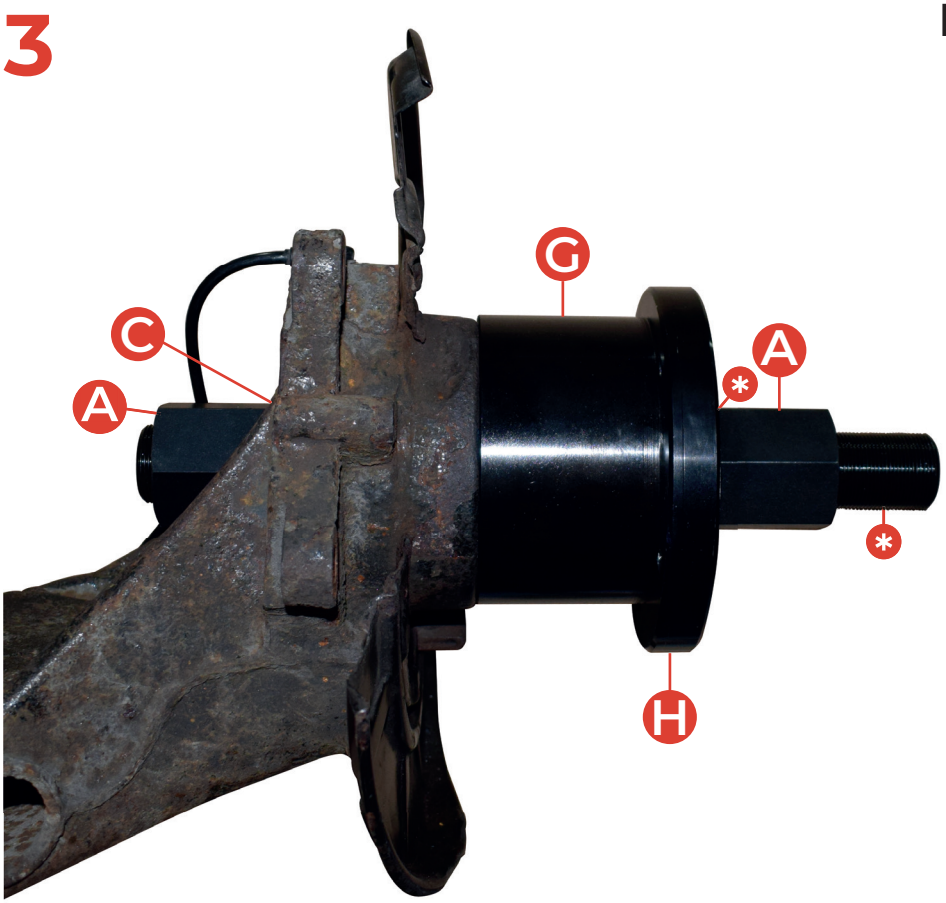


Removal of Main Bearing

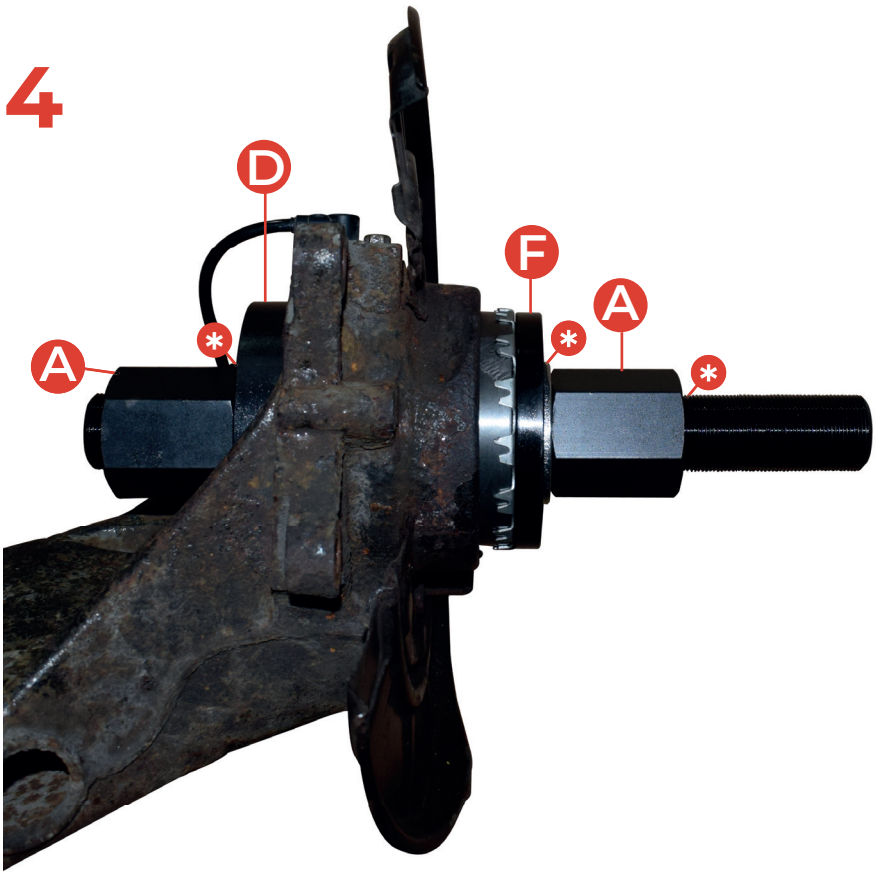
These bearings require a lot of force in order for them to be removed.

It is therefore essential for the screw and nut surface are well grease.

Penetrating oil should also be used on the bearing.

*(Force screw and nut surface must be lubricated)

4



Installing New Bearing

Clean the hub area of any debris before installing new bearing

*(Force screw and nut surface must be lubricated)

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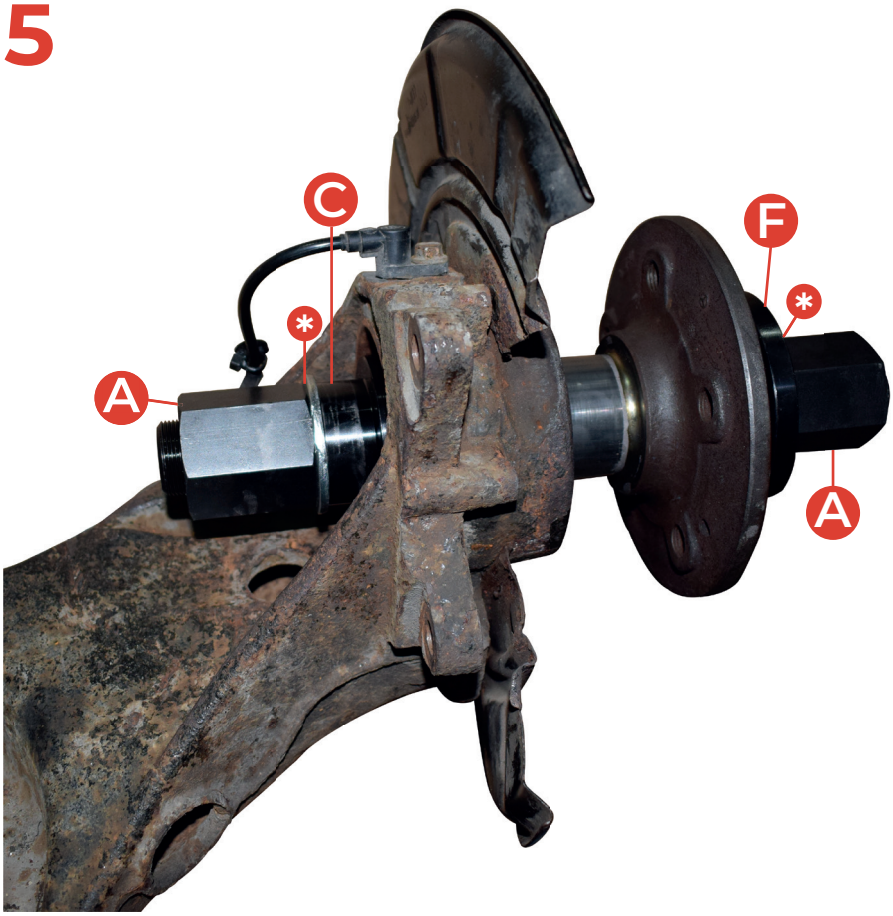

Install Hub

Ensure item C's larger diameter is placed against the bearing as shown in diagram

*(Force screw and nut surface must be lubricated)

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