



# BEARING & BUSH REMOVAL/INSTALLATION KIT 27PC

MODEL NO: VS7026.V3

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual

**ALWAYS KEEP FORCE SCREW WELL LUBRICATED. MOLYBDENUM/ COPPER BASED GREASE RECOMMENDED.**



**DO NOT USE AIR TOOLS**



## 1. SAFETY

- WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this tool.
- WARNING!** Familiarise yourself with the specific applications and limitations of the kit, as well as any potential hazards.
- This kit should be used in conjunction with inspection maintenance procedures recommended in the vehicle manufacturer's manual.
- Ensure that the kit is correct for the task.
- Wear the appropriate personal protective equipment for the task. A full range is available from your Sealey stockist.
- DO NOT** use the kit for any purpose other than that for which it is designed.
- Ensure that the vehicle is properly supported with axle stands before working under the vehicle.
- Ensure there is adequate lighting prior to using the kit. A range of inspection lamps are available from your Sealey stockist.
- Keep children and unauthorised persons away from the working area.
- DO NOT** use the kit if any parts are damaged or missing, as this may cause failure and/or personal injury.
- DO NOT** use the kit when you are tired, or under the influence of alcohol, drugs or intoxicating medication.
- After use, store in a safe, dry childproof area.

The force screw maximum recommended torque is 170Nm (M18x1.5), 155Nm (M16X1.5), 99Nm (M14X1.5), 60Nm (M12X1.5), 33Nm (M10X1.5). Exceeding these torque values may shorten the life of the force screws. The force screws are considered to be consumable items and are NOT covered under warranty.

## 2. INTRODUCTION

Comprehensive kit for fast and effective in situ removal/installation of wheel bearings, suspension bushes and seals. Reduces the possibility of damaging the bearing/suspension housings. Supplied with 22 adaptors from Ø44 to 90mm and five force screws. Adaptors can also be used in a standard workshop press when in situ access isn't possible. Supplied in a storage case.

## 3. SPECIFICATION

Model No:..... VS7026.V3  
 External Adapter Diameter:  
 Ø44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74,  
 76, 78, 80, 82, 85, 90mm  
 Force Screw Length: ..... 350mm  
 Force Screw Threads:  
 M10 x 1.5, M12 x 1.75, M14 x 2.0, M16 x 2.0, M18 x 2.5mm  
 Weight:..... 17.73kg



## 4. CONTENTS

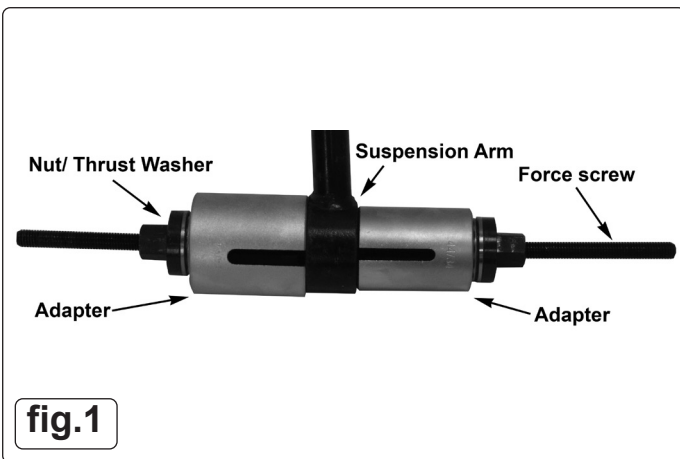
### ADAPTERS

External Ø mm	Internal Ø mm	Part No.
44	34	VS7026-V3-01
46	36	VS7026-V3-02
48	38	VS7026-V3-03
50	40	VS7026-V3-04
52	42	VS7026-V3-05
54	44	VS7026-V3-06
56	46	VS7026-V3-07
58	48	VS7026-V3-08
60	50	VS7026-V3-09
62	52	VS7026-V3-10
64	54	VS7026-V3-11
66	56	VS7026-V3-12
68	58	VS7026-V3-13
70	60	VS7026-V3-14

External Ø mm	Internal Ø mm	Part No
72	62	VS7026-V3-15
74	64	VS7026-V3-16
76	66	VS7026-V3-17
78	68	VS7026-V3-18
80	70	VS7026-V3-19
82	72	VS7026-V3-20
85	75	VS7026-V3-21
90	80	VS7026-V3-22

### FORCE SCREWS

Size	Part No.
M10	VS7026-V3-23
M12	VS7026-V3-24
M14	VS7026-V3-25
M16	VS7026-V3-26
M18	VS7026-V3-27



350mm long Force Screw (5-pieces) Sizes/Torque*
M10X1.5/ 33Nm
M12X1.5/ 60Nm
M14X1.5/ 99Nm
M16X1.5/155Nm
M18X1.5/170Nm



## 5. OPERATION

**NOTE:** Before installing the new bush/bearing refer to the vehicle manufacturer's service instructions, or a proprietary manual, to establish the correct horizontal alignment or positioning of the bush. Mark where the old bush sits to ensure correct replacement.

**IMPORTANT:** Ensure the area around the bush is thoroughly cleaned.

- 5.1. **BUSH/BEARING REMOVAL** (See fig.1)
  - 5.1.1. Choose the thickest threaded bar that will pass through the bearing/bush.
  - 5.1.2. Lubricate the force screw and nuts with a high quality molybdenum disulphide grease.
  - 5.1.3. Choose the correct size of adapter to locate on the external casing of the bearing/bush. This adapter must be able to pass through the suspension arm.
  - 5.1.4. Choose the correct size of adapter to sit square on the bearing/bush housing on the suspension arm. This must be large enough to accept the bush as it is pushed out.
  - 5.1.5. Insert the force screw through the bearing/bush and locate the adapters as described in 4.1.3 and 4.1.4. Attach the washers and nuts at each end of the force screw. Refer to fig.1.
  - 5.1.6. Make sure the U shaped viewing slots are aligned so that you can see the bush being removed.
  - 5.1.7. Make sure the adapters and force screws are correctly positioned before tightening the nuts.
  - 5.1.8. Using the correct sized ring spanner, gradually tighten the force screw nuts to drive the bearing/bush from its housing.
    - \* **DO NOT** use air tools.
    - \* **DO NOT** exceed the maximum torque rating of each force screw as listed in fig.2.
  - 5.1.9. Unscrew the nuts to separate the adapters and retrieve the bearing/bush.
- 5.2. **BUSH/BEARING INSTALLATION** (See fig.1)
  - 5.2.1. Fitting is the reverse of the removal procedure.
  - 5.2.2. Before installing the new bearing/bush, clean the inside of the housing with abrasive cloth to ensure it is free of debris and corrosion.
  - 5.2.3. Lightly oil the outer ring of the bearing/bush and using a hammer gently tap the outer ring of the bearing/bush to locate it in the housing.
  - 5.2.4. Use the largest force screw that will fit through the centre of the bearing/bush and clean and lubricate its threads.
  - 5.2.5. Select the appropriate sized adapters (see Section 4.1) assemble them and the force screws (see fig.2). Once the adapters are square on the housing and on the bearing/bush outer ring, tighten the nuts to force the bearing/bush into the suspension arm. Make sure that the bearing/bush is square to the housing during installation.
  - 5.2.6. Once the bearing/bush is installed, remove, clean and lubricate the components and return to their case.
- 5.3. **USING WITH A WORKSHOP PRESS**
  - 5.3.1. Where in-situ access isn't possible, the adapters can be used with a standard work shop press for bush/bearing removal and installation.



### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on [technical@sealey.co.uk](mailto:technical@sealey.co.uk) or 01284 757505.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.

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