

### INSTRUCTIONS FOR:

### Ball Joint Removal/Installation Set (Mercedes Sprinter)

Model No: **VSE127H05**

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: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THE TOOL 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**

### 1. SAFETY INSTRUCTIONS

- WARNING!** Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools.
  - DO NOT** use tools if damaged.
  - Maintain tools in good and clean condition for best and safest performance.
  - Ensure that a vehicle which has been jacked up is adequately supported with axle stands and that the wheels are chocked.
  - Ensure that the rear axle is adequately supported, refer to the vehicle manufacturer's service instructions, or a proprietary manual.
  - Wear approved eye protection. A full range of personal safety equipment is available from your Sealey dealer.
  - Wear suitable clothing to avoid snagging. Do not wear jewellery and tie back long hair.
  - DO NOT** use air tools to operate the force screw.
- IMPORTANT:** The force screw must be kept well lubricated.

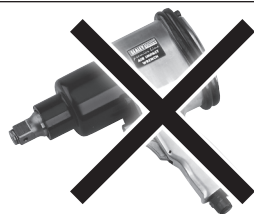
**IMPORTANT:** This manual is provided as a guide only, refer to the vehicle manufacturer's service instructions, or a proprietary manual, to establish the current procedure and data.

- WARNING!** Failure to heed safety and warning instructions may result in damage and/or personal injury and will invalidate the warranty.
- WARNING!** The warnings, cautions & instructions referred to in this manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

**ALWAYS KEEP FORCE SCREW WELL LUBRICATED.**



**DO NOT USE AIR TOOLS**



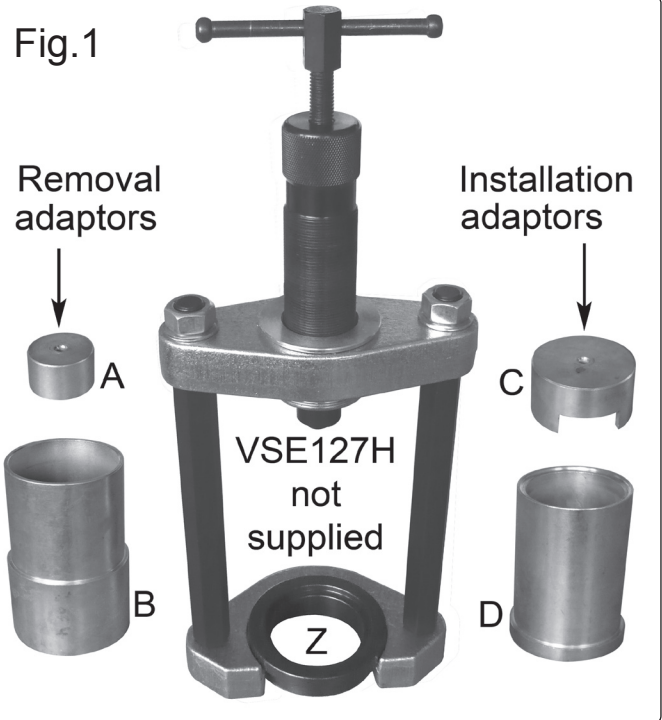
### 2. INTRODUCTION & SPECIFICATION

Use in conjunction with Sealey Hydraulic Ball Joint Remover/Installer Kit (Model No. VSE127H). Essential tool for removal/installation of the Mercedes Sprinter front lower ball joint in situ. Includes all necessary adaptors.

**SPECIFICATION:**

Model No. .... **VSE127H05**  
 Model No. of associated Tool ..... VSE127H  
 Ball joint OE Number ..... 9013330727  
 Application - Mercedes ..... Sprinter 901, 902, 903, 904 (95-on)

Fig.1

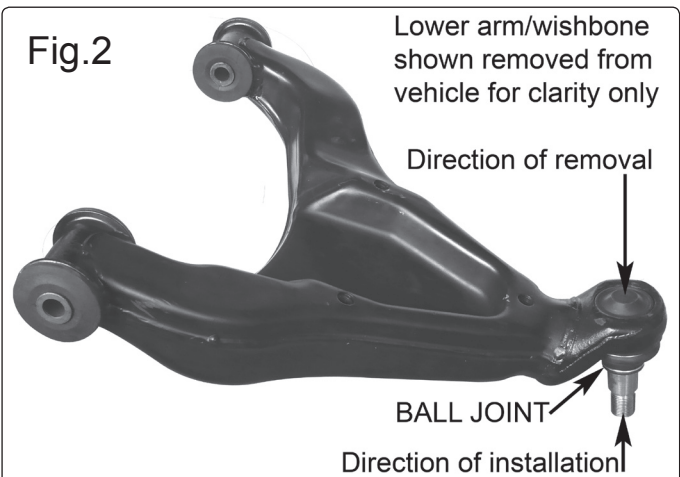


### 3. OPERATION

**NOTE!** Pictures taken with the lower arm / wishbone removed from vehicle for clarity only.

**NOTE!** Before installing the new ball joint, refer to the vehicle manufacturer's service instructions, or a proprietary manual, to establish the correct data and procedures.

Fig.2



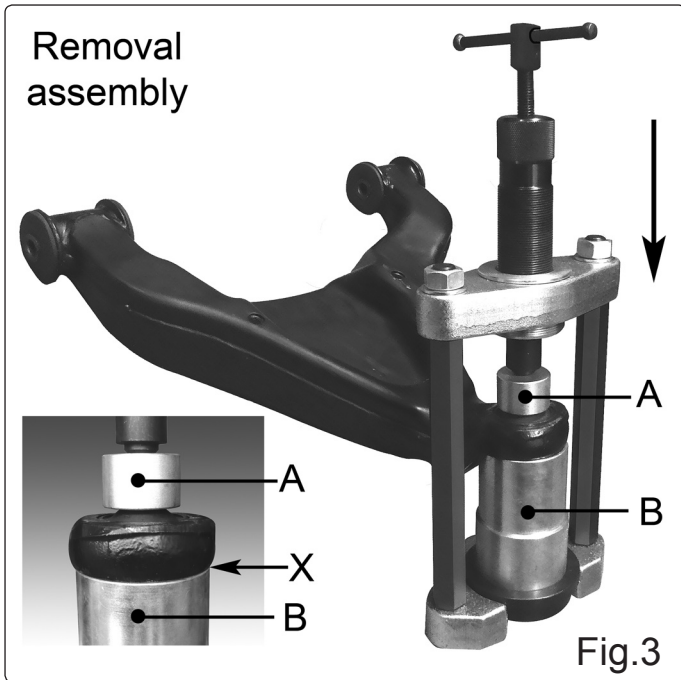


Fig.3

- 3.1 Ball Joint Removal.** To remove the ball joint you will need to use adaptors A & B in conjunction with Sealey Hydraulic Ball Joint Remover/Installer Kit (Model No. VSE127H).
- 3.1.1 Referring to the vehicle manufacturers servicing information disassemble the necessary suspension and steering components to gain access to the ball joint for removal.
- 3.1.2 Rotate the hydraulic unit anticlockwise within the press frame until the bottom of the unit is level with the underside of the top bar. Ensure that the black ring is properly seated in the base of the press (see fig.1-Z) and place adaptor (B) into the ring with the narrower section upwards.
- 3.1.3 Holding the hydraulic unit, take the press to the exposed ball joint and introduce it into adaptor (B). Lift the press so that adaptor (B) bears directly onto the casting that holds the ball joint. See 'X' inset in fig.3.
- 3.1.4 Slide adaptor (A) into position on the top of the ball joint itself ensuring that the surface with the indent in it is uppermost. Turn the handle on the hydraulic unit clockwise so that the ram descends and the steel ball at the end of the ram enters the indent. Continue turning the handle until the whole assembly is firmly clamped onto the ball joint housing.
- 3.1.5 Before applying pressure to the ball joint ensure that the adaptors are correctly seated as shown in the inset diagram in fig.3.
- 3.1.6 Continue to turn the ram handle slowly clockwise until the ball joint is fully ejected. Be prepared for the sudden release of the ball joint at which point the assembly will become unstable.
- 3.1.7 Turn the ram handle anticlockwise to back off the ram. Remove adaptor (A) first, then remove the whole assembly from the ball joint housing.

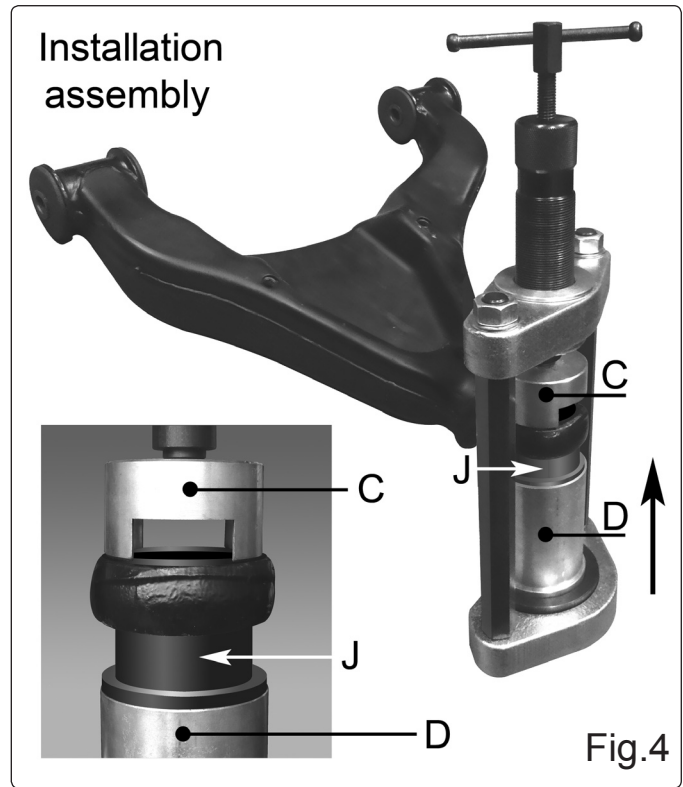


Fig.4

- 3.2 Ball Joint Installation.** To install the ball joint you will need to use adaptors C & D in conjunction with Sealey Hydraulic Ball Joint Remover/Installer Kit (Model No. VSE127H).
- 3.2.1 Rotate the hydraulic unit anticlockwise within the press frame until the bottom of the unit is level with the underside of the top bar. Ensure that the black ring is properly seated in the base of the press (see fig.1-Z) and place the closed end of adaptor (D) into the ring. Place the threaded stub of the new ball joint (J) into the open end of adaptor (D) so that the body of the ball joint sits inside the flange in the top of the adaptor.
- 3.2.2 Holding the hydraulic unit, take the press to the exposed ball joint housing. Lift the press so that the body of the ball joint (J) is positioned ready to enter the ball joint housing.
- 3.2.3 Slide adaptor (C) into position on the top of the ball joint housing ensuring that the surface with the indent in it is uppermost as seen in the inset diagram in fig.4. Turn the handle on the hydraulic unit clockwise so that the ram descends and the steel ball at the end of the ram enters the indent. Continue turning the handle until the whole assembly is firmly clamped onto the ball joint housing.
- 3.2.4 Before applying pressure to insert the ball joint (J) ensure that the ball joint is correctly aligned with the opening in the housing and the adaptors are correctly seated as shown in the inset diagram in fig.4.
- 3.2.5 Continue to turn the ram handle slowly clockwise until the ball joint is fully inserted.
- 3.2.6 Turn the ram handle anticlockwise to back off the ram. Remove adaptor (C) first, then remove the whole assembly from the ball joint housing.

**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.

**IMPORTANT:** No liability is accepted for incorrect use of this product.

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

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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