

187403V3 - Mercedes Sprinter Ball Joint Tool Adaptor Set

187413V3 - Mercedes Sprinter Ball Joint Tool including Press Frame & 12 Tonne Hydraulic Ram

Updated set now includes new cup for common aftermarket arms

For the removal and installation of ball joints on Mercedes Sprinter '95 - '06 and revised '06 onwards models (901, 902, 903, 904 and 906)

- Adaptor set can be used with either Universal Press Frame & Ram (187000V2) or a workshop press
- Enables work to be carried out on the vehicle
- Applications: Sprinter '95 onwards / VW LT '96 - '06 / VW Crafter & Sprinter '06 onwards

Ball Joint Removal

1. Remove hydraulic ram from frame and unwind the centre nut until clear of the inside frame area (Fig 1)
Ensure ram body, hex screw and centre nut are lubricated to aid ease of use.
2. Select correct set of adaptors for post or pre 2006 vehicles as shown.
3. Offer the frame up to the ball joint with the bottom adaptors in place and then insert top adaptor between the top of the ball joint and underside of frame. (Fig 2)
4. Screw and lock the centre nut down and in line with the top insert. (Fig 2)
5. Insert the ram and turn the body down as far as possible until the ram is in place with the plunger engaged. (Fig 3)
Apply force through the hex screw as swiftly as possible using a ratchet and socket. By the time the ram has reached its full potential the ball joint should come free. If however the ball joint has not come free, a slight shock with hammer on the ball joint housing should release the ball joint.

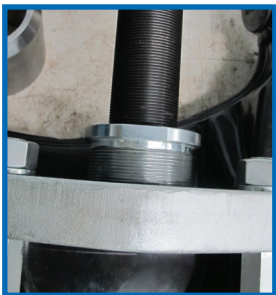


Fig 1



Fig 2a
Pre 2006



Fig 2b
Post 2006



Fig 3

Ball Joint Installation

1. Ensure ball joint opening is cleaned and prepared for new ball joint, select the installation adaptors. The same set is used for both pre and post 2006 vehicles
2. Offer the frame up to the new ball joint in position (in press frame adaptor).
3. Insert the top adaptor in the same position as the removal but turned around with the larger end facing down. (Fig 4)
4. Insert ram and screw down the body so the plunger engages the top adaptor, ensuring all is aligned.
5. Apply pressure through the hex screw until the ball joint is pulled into position.



Fig 4

Adaptors used for Post 2006 removal



Adaptors used for Pre 2006 removal



Adaptors used for removal of common aftermarket arms



Adaptors used for Pre and Post 2006 installation



| REF. NO. | PART NO. | DESCRIPTION |
|----------|-----------|-----------------------------|
| 1 | 187403-01 | MERC SPRINTER B/J ADAPTOR 1 |
| 2 | 187403-02 | MERC SPRINTER B/J ADAPTOR 2 |
| 3 | 187403-03 | MERC SPRINTER B/J ADAPTOR 3 |
| 4 | 187403-04 | MERC SPRINTER B/J ADAPTOR 4 |
| 5 | 187403-05 | MERC SPRINTER B/J ADAPTOR 5 |
| 6 | 187403-06 | MERC SPRINTER B/J ADAPTOR 6 |