

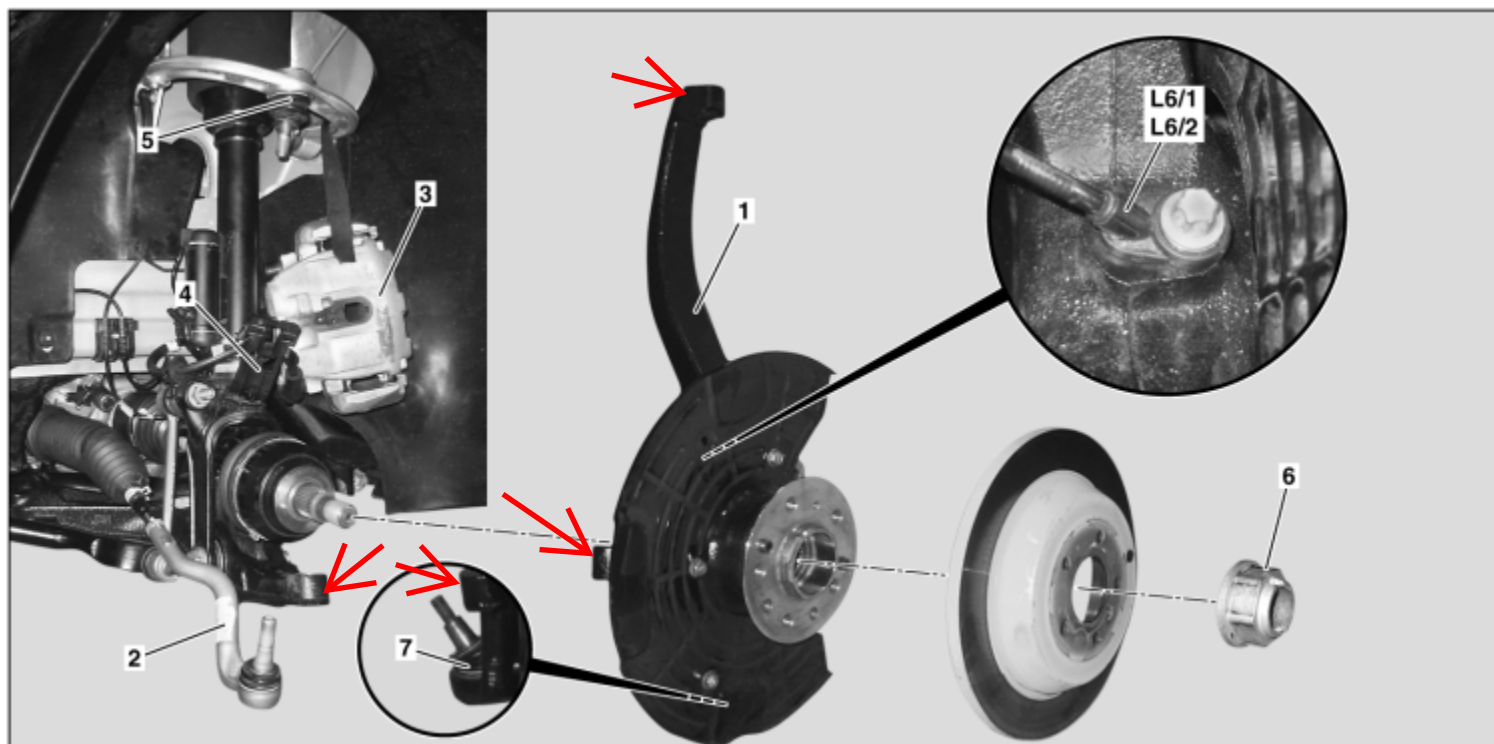
AR33.25-P-0400GZ

Remove/install steering knuckle

21.6.06

MODEL 164

Remove nuts from upper and lower ball joints and tie rod, and with a heavy ballpeen hammer, strike the areas indicated and the components will dislodge.



P33.25-2032-09














Shown on vehicle with Airmatic (air suspension with level adjustment and adaptive damping system, ADS), code 489








1 Steering knuckle
2 Tie rod
3 Brake caliper

4 Bracket
5 Follower joint
6 Collar nut

7 Support joint

L6/1 Left front rpm sensor
L6/2 Right front rpm sensor

| | | | |
|--|---|--|-------------------------------------|
|  | Remove/install | | |
|  Danger! | Risk of death caused by vehicle slipping or toppling off of the lifting platform. | Align vehicle between the columns of the lifting platform and position the four support plates at the lifting platform support points specified by the vehicle manufacturer. | AS00.00-Z-0010-01A |
|  | Notes on self-locking nuts and bolts | All models | AH00.00-N-0001-01A |
| 1 | Raise vehicle with lifting platform | | AR00.60-P-1000GZ |
| 2 | Remove front wheel | | |
|  WAP | Remove/install wheels, rotate if necessary | | AP40.10-P-4050Z |
| 3 | Remove front brake disk | | AR42.10-P-0220GZ |
|  | Notes on installing brake hoses | | AH42.10-P-9406-01GZ |
| 4 | Detach left front rpm sensor (L6/1) and right front rpm sensor (L6/2) from steering knuckle (1) and place to one side |  Nm | BA42.30-P-1001-01G |
| 5 | Detach bracket (4) from steering knuckle (1) and place to one side |  Installation: Installation position must be observed. | |
| | |  Installation: Use new cable tie. | |
| | |  Pliers | 164 589 01 37 00 |
| 6 | Detach tie rod (2) from steering knuckle (1) | | AR46.40-P-0200-02GZ |
| | |  Nm | BA46.40-P-1002-01K |
| | |  Puller | 140 589 09 33 00 |
| | |  Thrust piece | 140 589 00 63 00 |
| 7 | Detach collar nut (6) from front axle shaft |  Nm | BA33.30-P-1001-02D |

| | | | |
|----|---|---|------------------------------------|
| 8 | Pressing front axle shaft out of front axle shaft flange |  Extraction and insertion tool | 210 589 03 43 00 |
| 9 | Unscrew self-locking nut from follower joint (5) |  Counterhold follower joint using suitable tool. | |
| | |  | BA33.20-P-1001-01J |
| 10 | Push follower joint (5) out of upper transverse control arm |  Check rubber boot and ball joint for wear and damage. | |
| | |  Puller | 140 589 09 33 00 |
| 11 | Undo self-locking nut from lower transverse control arm to steering knuckle (1) |  Counterhold supporting joint using suitable tool. | |
| | |  | BA33.20-P-1003-01J |
| 12 | Install in the reverse order | | |

 **Front axle rpm sensor**

| Number | Designation | Model 164.1/8 |
|--------------------|--|---------------|
| BA42.30-P-1001-01G | Self-locking bolt, front axle rpm sensor to steering knuckle | Nm 8 |

 **Tie rod**

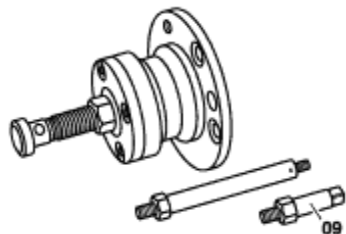
| Number | Designation | Model 164.1/8 |
|--------------------|---|---------------|
| BA46.40-P-1002-01K | Self-locking nut, tie rod to steering knuckle | Stage 1 Nm 45 |
| | | Stage 2 4° 90 |

 **Front axle shaft**

| Number | Designation | Model 164.1/8 |
|--------------------|---|---------------|
| BA33.30-P-1001-02D | Collar nut, front axle shaft to front axle shaft flange | Nm 520 |

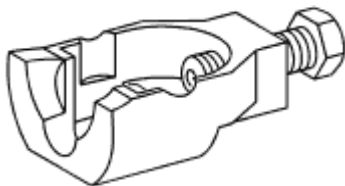
 **Wheel location, hub**

| Number | Designation | Model 164.1/8 | | |
|--------------------|---|---------------|----|-----|
| BA33.20-P-1001-01J | Self-locking nut, upper wishbone follower joint to steering knuckle | Stage 1 | Nm | 20 |
| | | Stage 2 | 4° | 90 |
| BA33.20-P-1003-01J | Self-locking nut, lower transverse control arm to steering knuckle | | Nm | 230 |



210 589 03 43 00

Extraction and insertion tool



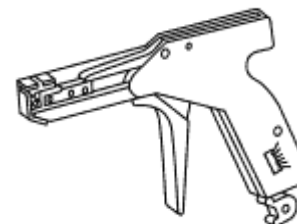
140 589 09 33 00

Puller



140 589 00 63 00

Thrust piece



164 589 01 37 00

Pliers