

Fitting Information Mercedes ML/GL W/X164 Airmatic

General information:

- Do not store struts below -15 °C and above 50 °C.
- Disassembly and installation are only to be performed by fully qualified and certified personnel at a specialist garage.
- Car manufacturer special tools and equipment is required!
- Check air pipes and cables – renew if damaged.
- Caution! Damage to the vehicle and the air suspension module can occur if work is carried out in a manner other than that specified in the instruction or in a different sequence.

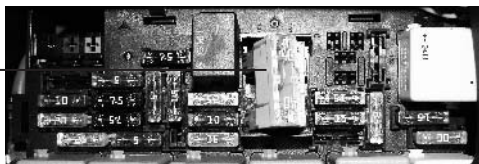
Dismantling the front struts

- Set steering straight ahead.
- Measure the standard vehicle height ①.



The ignition must remain switched off during the work on the air suspension module.

- There are two large fuses (40A) in the right fuse box (under the hood), remove the front fuse only ②.



- Dismantle front strut brace (only GL-models).
- Raise vehicle.



Use a chassis hoist and make certain that the raised vehicle is securely attached to the hoist to prevent the vehicle from slipping, falling, or moving during the installation process.

If you choose to install any BILSTEIN product without the necessary special tools, expertise or chassis hoist, you may subject yourself to the risk of serious bodily injury or death.

- Remove wheel.
- Unscrew pressure line connection at the strut ③.
Air pressure! Loosen slowly and allow air to escape.



- Seal off line with plugs.
- Dismantle the front part of the inner fender ④.



- Take off ADS-cable from the bracket.

- Disconnect electric plug (shock absorber valve) of the strut being dismantled ⑤.



Turn clip to remove.



- Open the cable strap.
- Take off brake hose from the bracket.
- Loosen the inner (frame side) fixture of the bottom control arm.
- Dismantle stabilizer (link).
- Remove the steering tie rod.
- Loosen the support link of the upper track control arm (spindle side).



Use suitable tools.

- Remove the bottom strut from the fixing fork ⑥.



- Remove the 3 nuts on the strut dome ⑦.



- Push the bottom track control arm down and remove the strut sideways and downwards.

Installing the front struts



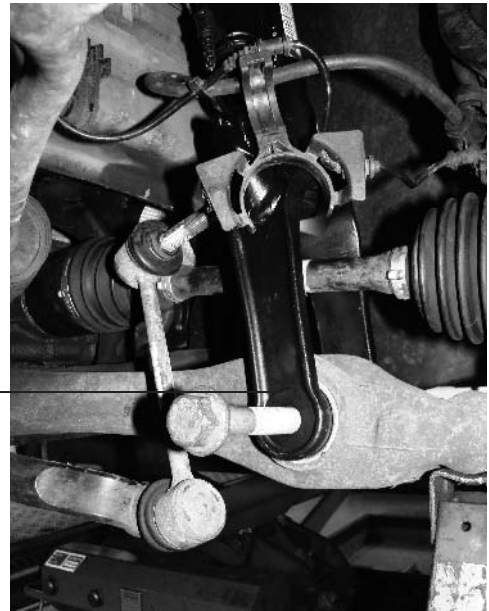
Only fully tighten all movable, suspension related screw connections in ready-to-drive condition observing the manufacturer's specifications and tightening torques.

- Renew self-locking nuts.
- Renew cable straps.

- Fit new strut upwards and position the upper nuts ⑧.



- Assemble strut fork to the bottom track control arm ⑨.



- Assemble support link of the upper track control arm.
- Assemble stabilizer (link).

- Assemble the steering tie rod ⑩.



- Insert plug (shock absorber valve) of the strut being fitted.
- Lock ADS-cable and brake hose into designated positions.
- Secure brake hose with new cable strap to the steering knuckle.
- Assemble inner fender.
- Mount the wheel.
- Screw off air pipe connection of the new suspension strut.



Don't remove plastic plug first.



- Replace used parts of air pipe connection by the new parts. Pay attention to the correct position of the tapered ring (the cone must go with the screw connector) ⑪.



- Screw on pressure line (5Nm).

- Insert fuse.



Never completely lower the vehicle from the lifting platform if the air suspensions are not pressurized.

- Start the engine. Lower the vehicle up to standard vehicle height ⑫ from the lifting platform. Operate the raising function of the electronics ⑬, and wait for at least 2 minutes (keep the doors closed during the period).



- Only lower completely when the vehicle raises of its own accord.
- Check air suspension system for leaks.
- Fully tighten screws loosed during the work in ready-to-drive-condition in accordance with the manufacturer's specifications.
- A following front end alignment is required.

Note:

Manufacturer shall not be liable for any injury, loss or damage resulting from any improper alteration, disassembly, handling, installation, service, repair or use of this product, including but not limited to the failure to follow the foregoing instructions.

Improper alteration, disassembly, handling, installation, service, repair or use of this product will void the product warranty.