

# **INSTALLATION INSTRUCTIONS.**



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## General information:

- Do not store the spring struts below -15°C or above +50°C
- Installation and removal may only be carried out by trained personnel in a specialist workshop
- Tools and equipment from the vehicle manufacturer are required for converting
- The appropriate personal protective equipment (e.g. safety glasses, gloves) must be worn at all times when working on the vehicle
- Check wires and cables for damage and, where necessary, replace them
- Complete a detailed check of the entire suspension for damage
- Caution: Deviations in the conversion and/or not following the prescribed order can result in damage to the vehicle and the air suspension module!
- BILSTEIN shock absorbers should always be replaced in pairs
- Never fully release the vehicle from the lifting platform with an unpressurised air suspension module

## Removal of the front air suspension module

- Measure the length of the BILSTEIN air suspension module.  
Length > 690 mm = OK
- Observe the expiry date



Use the lifting platform positioning points as stipulated by the vehicle manufacturer. Risk of death from vehicle slippage

- Raise up the vehicle
- Connect the diagnostic system and switch on the ignition
- Completely release the pressure from the air suspension module via the diagnostic system
- Remove the pressure from the air suspension module system (Caution: Raise the vehicle and ensure the wheel clearances!)

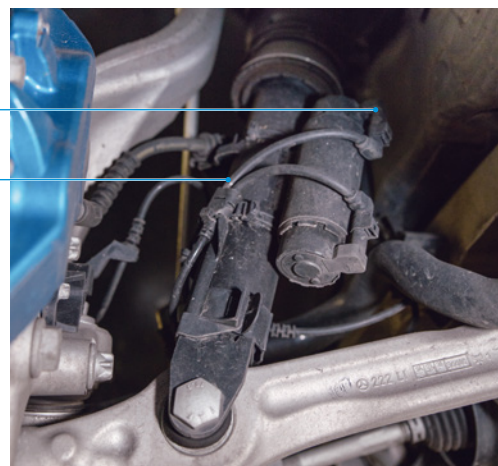


The ignition must remain switched off while working on the air suspension module

- Remove the corresponding wheels

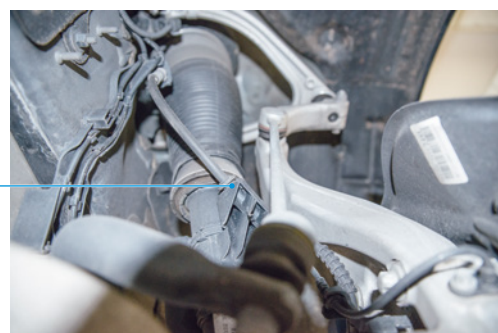
1

2

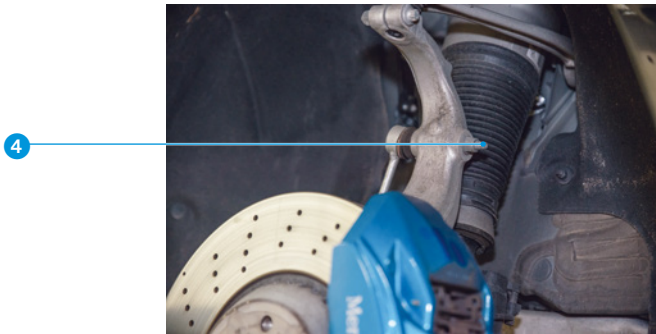


- Disconnect the air suspension module's electrical wires 1
- Remove the cable guide 2 at the air suspension module
- Decouple the brake hose at the bracket 3 and remove the bracket

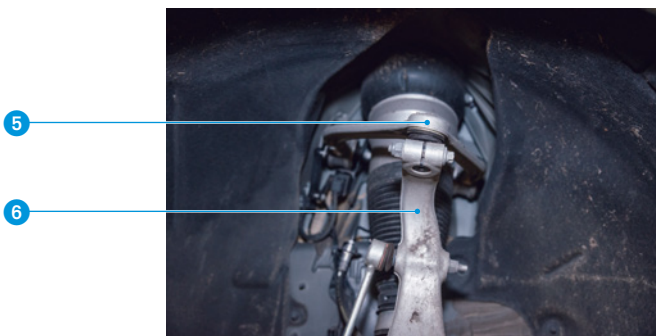
3



- Disconnect the screw connection and dismantle the stabiliser's coupling rod **4** at the steering knuckle



- Disconnect the upper transverse link **5** from the steering knuckle **6** and secure the steering knuckle appropriately



- Disconnect the air suspension module's screw connection **7**



- Open the bonnet
- Remove covers **8**, **9** and **10** from the air suspension module



- Clean the pressure pipe connector **11** at the top of the air suspension module
- Unscrew the pressure pipe connector at the air suspension module



**CAUTION** air pressure! Slowly loosen the connection and allow the pressure to leak away completely before fully dismantling the air pipe.



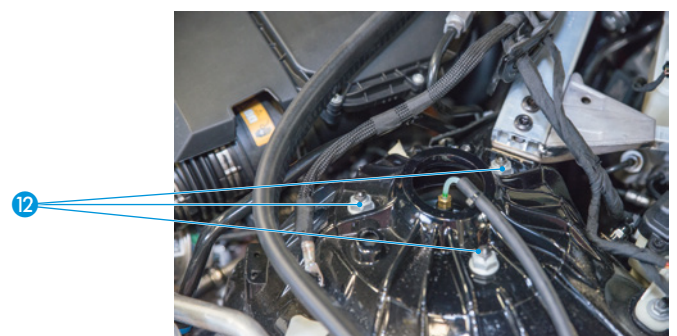
Do not bend, twist or crush the pressure pipe.

- While working on the pressure pipe, seal with filler plugs



Secure the air suspension module against falling.

- Remove the air suspension module's screw connections **12** at the top



- Pull the air suspension module downwards and remove

## Installation of the front air suspension module



Completely tighten all moveable, suspension-relevant parts only once in roadworthy condition. In doing so, follow the specifications and tightening torques specified by the vehicle manufacturer.

- Replace screws and self-locking nuts according to the manufacturer's specifications
- Installation is to take place in reverse order, analogous to the removal
- A new cable tie is required when assembling the brake hose bracket **3**
- Remove the screw connection on the pressure pipe connection of the new air suspension module before assembly of the pressure pipe



**Pay attention to the tightening torque of the air pipe!**



Never fully release the vehicle from the lifting equipment with an unpressurised air suspension module.



### Disable jack mode

- Connect the diagnostic system and switch on the ignition
- Fill the air suspension module via the diagnostic system
- Check the system for leakages
- Release the vehicle on the lifting device until it is at construction level. Activate the lifting mode and wait for the vehicle to lift up. Only then is a complete lowering of the vehicle permissible
- When rebuilding, fully tighten loosened screw connections according to the specifications of the vehicle manufacturer
- Where necessary, reconfigure the vehicle's height regulation

**Note:** BILSTEIN accepts no responsibility for damage to vehicles and their parts due to improper replacement. Any kind of change to the air suspension module will invalidate the warranty!