

Vibracoustic Air Springs with shock absorber







Sample Picture – content may vary

Important safety information!

Please follow the assembly instructions to avoid damage to the Air Springs.

Also note specific assembly instructions from the vehicle manufacturers.

- All modifications to chassis are only to be carried out by qualified experts with specialist knowledge. 
- For the lifting platform, use the mounting points specified by the vehicle manufacturer.
- Vibracoustic Air Springs should be checked for proper condition before installation. In case of any possible damages, please contact your dealer.
- Always store the Vibracoustic Air Springs between a minimum of -15°C and a maximum of +50°C, for no longer than 18 months. Otherwise, the proper functioning of the Vibracoustic air springs cannot be guaranteed.
- Check the condition of the new Vibracoustic Air Springs. Make sure that they are intended for the vehicle and that they are not past their shelf-life expiration date. If the expiration date has passed, please contact your dealer.
- It is recommended to replace the Vibracoustic Air Springs in pairs. 
- Specific tools and equipment according to the vehicle manufacturer specification are required for disassembly and installation work.
- Screws and safety nuts must be replaced in any case and may only be used once.
- The vehicle must not be lowered from the lift with unpressurized air suspension, risk of damage to the Air Springs. 
- The manufacturer accepts no liability for damage to the vehicle and parts in the event of improper replacement. All modifications to the Air Springs module will void the warranty.
- All electrical cables must be dead and not damaged when the modification will be performed. 
- Do not use power tools, e.g., air pressure screwdrivers, for disassembly and installation work.

**CAUTION!!**

Indicates hazards that can lead to injuries or property damage.

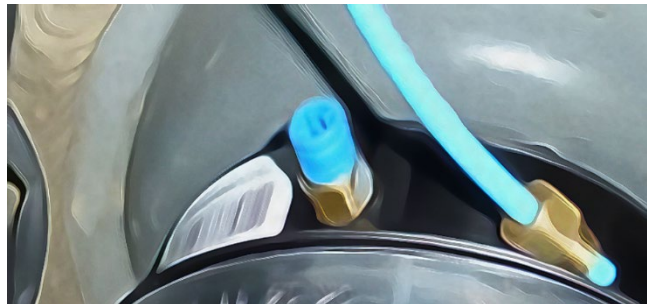
The following steps and their order must be strictly observed.

Disassembling

1. Determine the vehicle height (K0-location) - fender edge to wheel center.

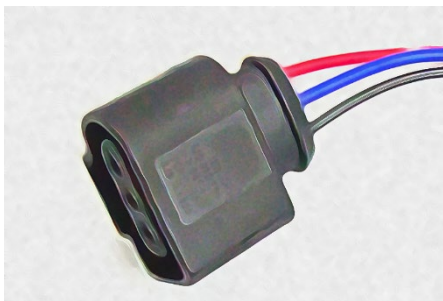


2. Vent the Air Springs in compliance with the vehicle manufacturer instruction:
 - 2.1. Turn off the ignition and remove the fuse for the air compressor.
 - 2.2. After lifting the vehicle on the lifting platform start the vent program with an OBD tool or demount the air pressure hose.



Caution: Release compressed air line connection slowly, compressed air flows out! Do not kink, twist or squeeze the compressed air line.

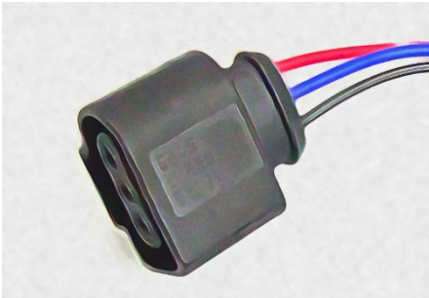
- 2.3. Vent the Air Springs and close the pressure hose.
3. Remove all necessary suspension parts and cable connections and remove the Air Springs. If necessary, use specific tools from the vehicle manufacturer.



The following steps and their order must be strictly observed.

Mounting

1. Install all necessary suspension parts and connect the cable connections before installing the Vibracoustic Air Springs into the vehicle-specific suspension. Use new screws and do not tighten the lower screws yet. Make sure that the air springs are not tensioned.



2. Install the pressure hose.
3. Fill the Air Springs according to the vehicle manufacturer instructions.
4. Check the system of leakage.
5. Start the engine and let it run for min. 2 minutes.
6. Lower the lift and check the K0-location.



7. Tighten all the suspension screws.
8. All pressure lines must be checked for tightness and damage after installation of the new Vibracoustic Air Springs.
9. After installation, all sensors, safety and assistant systems must be checked and, if necessary, readjusted according to the manufacturer's specifications.
10. After the conversion, a wheel alignment must always be carried out.