Installation Instructions of Continental Air Springs

1. Have your new ContiTech Air Spring System ready
   • The best way to change an Air Spring is to use a complete system and to exchange axle wise. Here we show as an example how to exchange an Air Spring System on a truck rear axle.
   • Please always refer to the mounting instructions of your vehicle manufacturer.

2. Deflate your Air Spring
   • Always secure your vehicle first and make sure it remains stable during the entire process.
   • Deflate your Air Spring and keep the air pressure system and the ignition completely switched off.
   • Attention: The distance between chassis and ground will be reduced.

3. Loosen pneumatic valves
   • When loosening the valve from the air inlet make sure the compressor is still switched off.
   • Remove air connection and make sure both, the valve and the air pipe stay clean.

4. Loosen all screws
   • First loosen all screws connecting the Air Spring System to the chassis.
   • Then loosen all screws connecting the Air Spring System to the axle.

5. Preparations for installment of your new ContiTech Air Spring
   • Remove the defect Air Spring System.
   • Clean the faying surface and look for corrosion.
   • Keep the air pipe closed against dirt or dust at all times.
   • Connect pneumatic valve with the air inlet of the new Air Spring also with the recommended torque.

6. Inspect all other Air Springs on your vehicle
   • Check for abrasion, embrittlement and cracks in the rubber parts.
   • Check metal parts for corrosion.
   • Check plastic parts for capillary cracks.
   • Check for possible contamination by lubricants such as oil, diesel, brake- or cooling fluids.
   • Remove all foreign objects such as stones or dirt.
   • Remove all liquids and check source of contamination.

7. Put your new ContiTech Air Spring in place
   • Install new ContiTech Air Spring System between chassis and axle and insert screws (new ones if the old ones are corroded or the threads are worn down).
   • Tighten the top plate to the chassis first.
   • Attention: make sure you use the correct torque which is recommended by your vehicle manufacturer or in the ContiTech catalogue.

8. Tighten your new ContiTech Air Spring
   • Pull down the piston until it touches the mounting plate (if necessary use for a compressed air gun with max. 0.3 bar).
   • Compulsively comply with the height limit.
   • Now tighten the piston to the axle with a torque key making sure to use the correct torque recommended by your vehicle manufacturer or in the ContiTech catalogue.

9. Inflate your new ContiTech Air Spring System
   • Inflate your new ContiTech Air Spring with the recommended working pressure, release the safety catch of your vehicle and put it back into driving position.
   • Drive on the safer side with ContiTech quality.

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