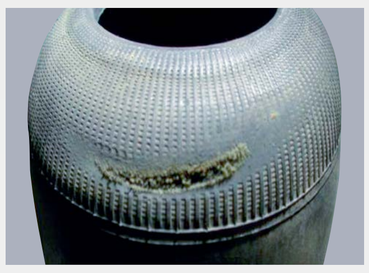
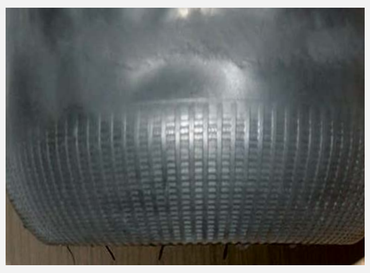
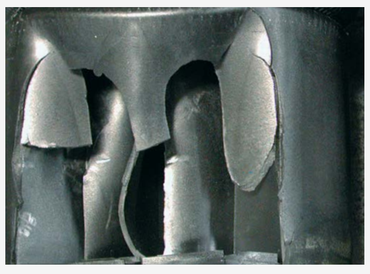
Continental
The Future in Motion

Air Springs “Problem – Cause – Solution”

→ Problem and Cause		→ Solution
Deformed Air Springs 1 improper storage 2 improper transport / improper handling	 	1 storage according to ISO 2230:2002 no daylight, dry, at normal room temperature 2 avoid improper transport / improper handling
Damage of the conical beads and cuts 1 improperly mounted bead plate 2 pinching of the bellows with metal parts	 	1 keep conical beads clean and corrosion free 2 avoid driving without pressure in the air suspension
Bellows rubs off at shoulder 1 bead plate diameter incorrect 2 bellows too long for application	 	1 make sure to use original parts 2 avoid wrong cross references
Broken off thread bolts 1 excessive torque 2 use of oils or lubricants	 	1 don’t exceed recommended torque according to your maintenance manual 2 avoid usage of oils or lubricants
Overextension 1 spring travel not restricted 2 incorrectly adjusted level control 3 air spring not suitable for application	 	1 check the shock absorbers 2 check and adjust level control valve 3 double check if the air spring fits the OE part number
Abrasion 1 Bellows contact with chassis parts 2 Bellows contact with foreign bodies	 	1 double check if the air spring fits the OE part number 2 check regularly and remove foreign objects stuck between bellows and piston
Chemical contamination 1 usage of oils or lubricants	 	1 avoid usage of lubricants or cleaners which contain mineral oils 2 check air springs on a regular basis
Air Spring bursting, broken piston 1 overload (exceeding the maximum allowable pressure)	 	1 never exceed the maximal allowed weight of the vehicle

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