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Order No.: S-B-32.25/82c
Supersedes: S-B-32.25/82b, dated Dec. 21, 2011
Group: 32

Revision History

Revision	Date	Purpose
c	6/4/13	All new text.
b	12/21/11	All new text and added models.
a	12/22/10	Minor changes to last paragraph.

SUBJECT: MY-All, Models 117, 124, 129, 140, 163, 164, 166, 169, 170, 171, 172, 176, 201, 202, 203, 204, 207, 208, 209, 210, 211, 212, 215, 216, 218, 219, 220, 221, 222, 230, 240, 245, 251, 463 Shock Absorber Replacement

Section 1: General Information on Shock Absorber Variants

Principle

Only the damaged component must be replaced.

Damage to a shock absorber or suspension strut does not automatically justify replacement of the same component on the other side of the vehicle.

Check in case of noise before a repair

1. Determine the side causing the problem by driving with one side of the vehicle on a rough road.
2. Unhook **torsion bar linkage** for test drive and check whether the noise complaint changes.
3. **Release tension** on shock absorber/suspension strut and **tighten to ready-to-drive state**.
4. If possible, **left/right swap**

Section 2: Special considerations for different damping variants

Conventional shock absorbers (MODEL 117, 164, 166, 168, 169, 171, 172, 176, 203, 204, 207, 209, 211, 212, 218, 219, 230, 245, 246, 251 and subsequent)

- **Air suspension struts and dampers** (MODEL 164, 166, 211, 212, 218, 219, 220, 221, 222, 240, 251)
- **ADS suspension strut** (MODEL 129, 210, 140)
- **Adjustable dampers** (MODEL 172, 204, 207, 231)

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As of a component mileage of 93,000 miles, we recommend **replacing in pairs**, because the damping characteristics of the old and new part may be different due to aging.

- **Conventional shock absorbers, old models** (MODEL 124, 129, 140, 163, 170, 201, 202, 208, 210, 461, 463)
- For these models, any shock absorber variants may have been standardized in the parts sector. If a **new** (standardized) **part number** is installed, the shock absorbers must be replaced **in pairs** on these models.
- **ABC suspension struts** (MODEL 215, 216, 220, 221, 222, 230, 231)

In contrast to other systems, **ABC suspension struts** do **not have to be replaced in pairs** even with higher mileages.

Background: The vehicle body dampening is performed by active actuation of the plungers, which operate on a wearfree basis! Passive wheel damping by the shock absorber integrated in the suspension strut plays a subordinate role.

Section 3: Deviating procedure

Information on additional (possibly deviating) specifications due to technical modifications is available in EPC and TIPS. The current documentation in advanced systems such as TIPS and EPC must always be followed!