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Service Tips and Best Practices

2010-2002 Audi B6 & B7 A4 Front Steering Knuckle Sleeve

Brand	Supreme	Product	Control Arm	Date	September 2022
Part Number(s)	CMK80524				

During a control arm replacement service on the applications noted below, in some cases the Professional Technician may notice the Mevotech Supreme replacement control arm appears visually different in comparison.

Application(s)
2010-2002 Audi A4
2010-2002 Audi A4 Quattro
2008-2007 Audi RS4
2009-2004 Audi S4

Occasionally, when removing the front lower forward control arm from the steering knuckle, the steering knuckle tapered sleeve will become seized to the ball joint stud. This will lead to the above-mentioned visual discrepancy. See Figure 1.

It is important to adhere to the factory service manual for all removal procedures when separating a control arm from the steering knuckle which uses a sleeve. Often, a special tool will be required or specified to retain the sleeve in the knuckle bore as the ball joint portion is removed.

If the sleeve must be removed from the ball joint stud for re-use, it must be separated carefully. A combination of penetrating oil and a three-jaw puller will usually suffice. All rust and corrosion must be cleaned from the sleeve and steering knuckle bore. Additionally, the sleeve and mating component must be inspected for any damage and or an 'out-of-round' condition. Do not re-use the sleeve or mating component if signs of damage or abnormal wear are found during inspection.



Figure 1. Steering knuckle tapered sleeve (circled) may become seized to the ball joint stud, and when compared to the new replacement part cause a visual difference between the two. Mevotech Supreme control arm assemblies feature an anti-corrosion coated ball stud to reduce potential of seizing.

Always ensure to refer to the factory service manual for correct diagnostic procedures, component removal and installation methods and fastening torque values and procedures where applicable. Only use a calibrated torque wrench for final fastening.

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