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Service Tips and Best Practices

2013-2007 Acura MDX and 2013-2010 Acura ZDX Front Steering Knuckle Tapered Sleeve

Brand	Supreme	Product	Control Arm	Date	August 2022
Part Number(s)	CMS601025/CMS601026				

During a control arm replacement service on 2013-2007 Acura MDX and 2013-2010 Acura ZDX models which utilize an aluminum front lower control arm, in some cases the Professional Technician may notice the Mevotech Supreme replacement control arm appears visually different, in comparison.

Occasionally, when removing the aluminum front lower 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 tapered 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 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.