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Service Tips and Best Practices

2009-2005 Nissan 350Z and 2007-2005 Infiniti G35 Front Lower Ball Joint Tapered Sleeve

Brand	Supreme	Product	Ball Joint and Control Arm	Date	November 2022
Part Number(s)	MS30506/CMS301030/CMS301031				

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

Application(s)
2009-2005 Nissan 350Z
2007-2005 Infiniti G35 RWD

Occasionally, when separating the front lower forward control arm from the front lower ball joint, the 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 or ball joint which uses a sleeve. Often, a special tool will be required or specified to retain the sleeve in the control arm 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 control arm 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. 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 ball joint MS30506 is anti-corrosion coated 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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