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Service Tips and Best Practices

Installation: 2013-2003 Ford, Lincoln and Mazda Sedan Front Upper Adjustable Ball Joint

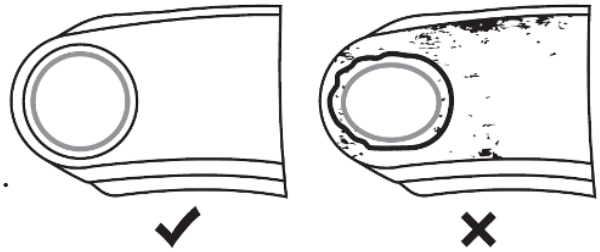
Brand	Supreme	Product	Ball Joint	Date	March 2023
Part Number(s)	MK500013				

Note: This adjustable ball joint provides a camber/caster adjustment range of ±1.0°

For a successful repair outcome, adhere to the following:

- Before installation of ball joint, ensure all mating surfaces are clear of rust, debris and burrs. Inspect control arm mounting f lange for cracks, deformation and or an out of round condition. Do not reuse control arm body if these are found. **See Figure 1.**

Figure 1.



- Verify press-in diameters and stud tolerances, including on steering knuckle side. Replace all damaged or out-of-specification mating components.
- When pressing-in ball joint, ensure pressure is applied to the mounting flange and not the ball joint back plate. Contact with the back plate during install may lead to damage and or impaired performance of the ball joint.
- Only use a calibrated torque wrench for final fastening.



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Installation

- Press adjustable ball joint into upper control arm and only hand-tighten nut over the assembly cap
- Install ball joint stud into steering knuckle, thread on ball joint nut and torque to manufacture specification of (30-39LB-FT/40-53N.M)
- Adjust camber/caster to desired settings by rotating ball joint by hand and or Allen key
- Hold ball joint in place with Allen wrench to prevent rotation and torque the top nut to (140LB-FT/190 N.M) at correct vehicle ride height. **See Figure 2.**

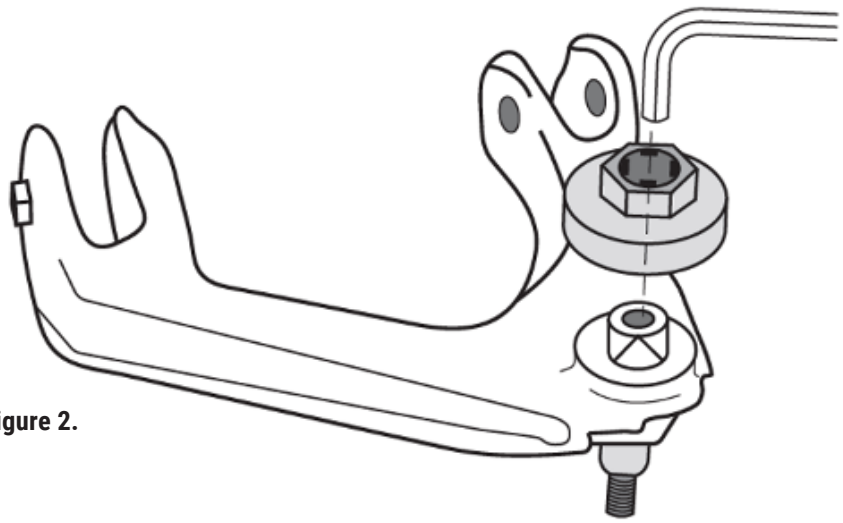


Figure 2.

- Ensure and verify proper caster/camber specifications by performing vehicle alignment and vehicle road test

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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