

**WARNING: Incorrect installation may result in tight steering or damage to the busing, ball joints or axle.**

### Removal and Installation Instructions

1. Using a 0° bushing, record and document alignment readings
2. Raise the vehicle and support in a safe manner.
3. Remove the upper ball joint cotter pin and nut.
4. To help prevent a tight steering condition, remove the lower ball joint cotter pin and loosen the nut to the end of the stud, but **DO NOT remove.**
5. Strike the inside of the spindle near the upper and lower ball joints to break the spindle loose from the ball joint studs.
6. Remove the old bushing using a pitman arm puller or similar tool.
7. **Partially tighten the lower ball joint stud nut to 40 ft lbs.**
8. Lubricate the New bushing and install bushing over the ball joint stud. Install the bushing with slot in desired position.
  - A. Slot toward rear of vehicle for positive + caster.
  - B. Slot toward front of vehicle for negative - caster.
  - C. Slot toward inside of vehicle for negative - camber.
  - D. Slot toward outside of vehicle for positive + camber.
  - E. Or any combination of two.

Place the old bushing on top of the new and tap downward to seat the new bushing, tap the bushing down as far as possible into the axle.
9. Install the upper ball joint stud nut and tighten to 85-100 ft lbs. Advance (DO NOT loosen) the nut to the next castellation and install a new cotter pin.
10. Fully tighten the lower ball joint nut to 95-110 ft lbs. Advance the nut to the next castellation and install a new cotter pin.
11. Reinstall wheels, check and adjust toe. Lower vehicle and road test.

**NOTE:** Excessive spindle turning effort or poor steering returnability MAY be the result of not following the proper tightening sequence or worn/bent ball joints.

**CAUTION:** Observe proper safety and repair procedures for installation of all chassis parts. Some chassis parts require specialized tools and experience and therefore **MUST** be installed by a qualified technician otherwise an unsafe vehicle and/or personal injury could result. Wear safety glasses and other protection.

#### Limited Warranty

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