

# PART NO. 23800 - STANDARD BALL JOINT PART NOS. 23810, 23820, 23830 OFFSET BALL JOINTS

## Instruction Sheet

### DODGE BR2500 & BR3500 UPPER BALL JOINT

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*This part should only be installed by personnel who have the necessary skill, training and tools to do the job correctly and safely. Incorrect installation can result in personal injury, vehicle damage and / or loss of vehicle control.*

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1. Before beginning any alignment always check for loose or worn parts, tire pressure, and odd tire wear patterns. Determine amount of camber and/or caster change needed.
  2. Remove tire and wheel assembly, tie rod end from knuckle, brake caliper, brake rotor, and axle nut. Remove four bolts from back of hub assembly. Remove hub assembly then remove axle from hub using care not to damage the axle seal. (NOTE: It may be necessary to use hub puller #499).
  3. Loosen but do not remove lower ball joint nut. Loosen and remove the upper ball joint nut.
  4. Break tapers between the upper and lower ball joint and the knuckle. While supporting the knuckle, remove the lower ball joint nut then remove the knuckle.
  5. Press out the O.E. upper ball joint using #7250 ball joint press or other suitable ball joint press.
  6. Attach the correct template (see reverse) for the side being adjusted to the top of the axle yoke.
  7. Place the offset ball joint in the appropriate position by aligning the indicator mark on the ball joint with the desired change mark on the template.
  8. Using the #23780 installation sleeves and a #7250 ball joint press, press the offset ball joint half way into the axle yoke. (NOTE: See instructions included with #23780 sleeves for correct installation use). Recheck to insure that the indicator mark is in the correct position then tear and remove the template. Now, continue to press the ball joint into the yoke until it is fully seated.
  9. Install dust boot and grease zerk. (NOTE: The grease zerk is self-tapping, just screw it in with the appropriate socket or wrench. **Use care not to over tighten**). Grease ball joint after reassembly.  
**Always check for proper clearance between suspension components and other components of the vehicle.**
  10. Reassemble in reverse order of disassembly. Reinstall tire and wheel assembly and compensate alignment equipment.
  11. Check adjustment made, set toe and road test vehicle.
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**PART NOS. 23810, 23820, 23830 TEMPLATE**

