

## **Instruction Sheet**

### **DODGE HD OFFSET UPPER BALL JOINT**

***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.***

1. Before beginning any alignment always check for loose or worn parts, tire pressure and odd tire wear patterns. Determine amount of camber and caster change needed.
2. Remove tire and wheel assembly, tie rod end from knuckle, brake caliper, brake rotor and axle nut. Remove spindle and hub assembly then remove axle from housing using care not to damage the axle seal. (**NOTE:** It may be necessary to use a 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 joints 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.
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 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.

**Always check for proper clearance between suspension components and other components of the vehicle.**

10. Reassemble in reverse order of disassembly and compensate alignment equipment.
11. Check adjustment made, set toe and road test the vehicle.



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**PART NOS. 23710, 23720, 23730 TEMPLATE**

