



**C8302, C8312**  
**Chevy HD**  
**Ball Joint Replacement Instructions**

**Read and understand all instructions and warnings prior to installation of product and operation of vehicle.**

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

**Difficulty Level**

easy 1 2 **3** 4 5 difficult

Estimated installation: hours

**Special Tools Required**

Ball Joint Press

**Tire/Wheel Fitment**

N/A

**INSTALLATION INSTRUCTIONS**

1. Park vehicle on a clean, flat, and level surface. Block the wheels for safety.
2. Raise front of vehicle, and support frame rails with jack stands. Remove front wheels.
3. Torsion bar equipped vehicles (2001-2010 Chevy HD / 2011-2016 Chevy 2500 HD). Unload the torsion bars so there is no pressure on the suspension.
4. Mark upper control arm cams (if present).
5. Disconnect the upper ball joint from steering knuckle. Do not allow the brake line or ABS line to hold the knuckle up in place. Strap knuckle in place if necessary.
6. Remove the grease fitting, remove the cap, remove the circlip that retains the ball joint.
7. Use a ball joint press, remove the ball joint from arm.
8. Install new ball joint with ball joint press. Note: Ball joints are orientation specific. There will be a dimple or hole to indicate which direction the ball joint has more range of motion. This hole needs to face either towards the inside of the vehicle, or outside of the vehicle. Improper installation can cause premature failure. Reinstall cap and grease fitting, also install the circlip.
9. Reattach to steering knuckle, install cotter pin, reinstall wheels, and reload torsion bars if applicable.

**C8302 - C8312 Kit Contents**

*Qty Part*

C8302 - Chevy HD Ball Joint

1 Ball Joint - Chevy HD

C8312 - Chevy HD Ball Joint Master Kit

1 Ball Joint - Chevy HD

1 Anodized Cap

1 O-Ring

1 Grease Fitting

