

#121010

Installation Instructions Chevrolet/GMC Upper Control Arm Kit



READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLATION OF SYSTEM AND OPERATION OF VEHICLE.

SAFETY WARNING

BDS Suspension Co. 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.

PRODUCT SAFETY WARNING

Certain BDS Suspension products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. BDS Suspension Co. does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

PRE-INSTALLATION NOTES

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.

4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of BDS Suspension components. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, BDS Suspension Co. recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

POST-INSTALLATION WARNINGS

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure. Longer replacement hoses, if needed can be purchased from a local parts supplier.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

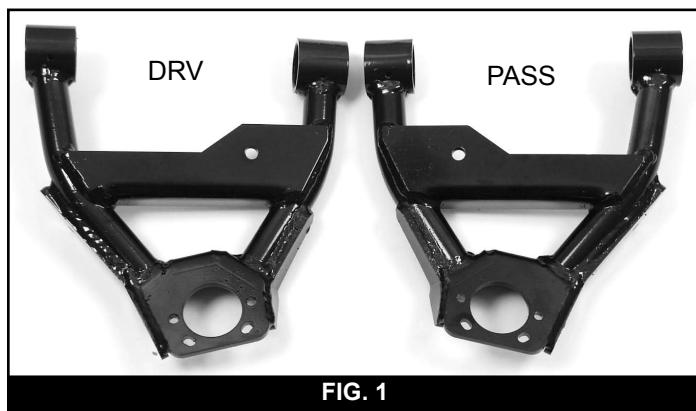
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INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Raise the front of the vehicle and support with jack stands under the frame rails for safety.
3. Remove the front wheels.
4. Measure the length of exposed threads on the torsion bar adjustment bolts and note below. Unload the torsion bars using a #J36202 torsion bar unloading tool or equivalent.
DS_____ PS_____
5. For ease of installation the front shocks can be removed at this time, though it is not necessary to complete the installation.

Complete installation one side at a time, starting with the driver's side.

6. Disconnect the brake line bracket from the control arm. Retain mounting bolt and nut.
7. Disconnect the ABS wire bracket from the control arm.
8. Remove the upper control arm ball joint retaining nut. Strike the steering knuckle near the ball joint to dislodge it from the knuckle or use a pickle fork. Remove the ball joint from the knuckle. **Note: Take care not to allow the knuckle to fall outward and over-extend the CV shaft.**
9. Remove the two cam bolts attaching the control arm to the frame and remove the control arm from the vehicle. Note the direction in which the cam bolts are installed so they can be return to the same position when the new control arms are installed.
10. If reusing the ball joints, they must be removed from the OE control arms. The ball joints will either be riveted or bolted on. If riveted, remove the rivets with a grinder, drill, or air chisel.
11. Locate the new driver's side control arm (Fig. 1).
12. Install the ball joint (new or reused) in the new control arm using the 1/4" x 1" bolts, nuts, and SAE washers provided. Torque fasteners to 12 ft-lbs.
13. Install the new bump stop to the underside of the control arm cross brace and fasten with a 3/8" nut and lock washer (Fig. 2).



14. Install the provided 1/4" grease zerks in the two thread holes located on the top side of the control arm pivots (Fig 3).
15. Lubricate and install the provided fluted bushing in the control arms. Install the provided serrated steel sleeves in the bushings.
16. Mount the new control arm assembly into the frame bracket pockets and retain with the OE cam bolts (installed as they were removed). Do not tighten at this time.
17. Install the ball joint in the steering knuckle and fasten with the appropriate nut. Torque nut to manufacturer's specs.
18. Attach the ABS wire bracket to the new control arm in the hole nearest to the ball joint using a 1/4" x 1" bolt, nut and SAE washers provided (Fig. 3).
19. Attach the bracket line bracket to the hole provided in the control arm using the OE bolt and nut (Fig 3).

Repeat the installation on passenger's side of the vehicle

20. With both sides complete, load the torsion bars using the measurements recorded earlier.
21. Tighten the four (two on each side) upper control arm cam bolts securely.
22. Grease the upper control arm pivot points.
23. Install the front shocks if the were removed.
24. Install the wheels and lower the vehicle to the ground.
25. The vehicle will need a complete front end alignment.
26. Check all fasteners after 500 miles.

