

# #124006

## Installation Instructions

### Transfer Case Drop Kit

### Jeep Cherokee XJ

#### **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.

## PARTS LIST

| Description                | Qty |
|----------------------------|-----|
| Transfer Case Drop Bracket | 2   |
| M10 x 50mm Bolt            | 4   |
| M10 Lock Washer            | 4   |
| M10 Flat Washer            | 4   |

## INSTALLATION INSTRUCTIONS

1. With the vehicle on a flat surface, block the front and rear tires and place the transmission in neutral.
2. Loosen the engine mount bolts about 1/2 turn.
3. Support the transfer case crossmember with a floor jack. Remove the two bolts and studs that connect the crossmember with the frame. Lower the transfer case crossmember approximately 1-1/8".

**Note: Late model Cherokees have one bolt and one stud retaining the crossmember.** The stud threads out. This can be achieved by using two nuts.

4. Place the spacers from this kit between the crossmember and the frame so that all of the mounting holes line up and the edges of the spacers are nearly flush with the ends of the crossmember.
5. Place a drop of loctite on each of the four bolts from the kit. Install the four bolts with the flat washers and lock washers supplied in the kit.
6. Carefully raise the jack to hold the spacers firmly between the crossmember and the frame. Torque the 4 bolts to 30 ft-lbs.
7. Remove the jack.
8. Torque the engine mount to block bolts to 45 ft-lbs, the engine mount to frame bolts 30 ft-lbs, and the through bolts to 48 ft-lbs.
9. Check to make sure that the transfer case will fully engage at each end of the shifter travel. The linkage may need to be adjusted. Refer to the OE service manual if this is necessary.
10. Periodically check the fasteners for tightness.