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Part#: **122602**

Product: **Transfer Case Drop Kit**

Application: **2003-2005 Dodge 2500 4WD Diesel**

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

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**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.

# INSTALLATION INSTRUCTIONS

**Pre-installation Note:** Some vehicles may require minor modifications to gain adequate slack and/or clearance for exhaust, wiring, linkages, etc to allow for the lower of the transfer case. Carefully check all connections between the powertrain, frame and body to ensure that there is enough slack/clearance. Make modifications/adjustments were necessary. This kit replaces the main transmission mount with one that is 1" shorter.

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
2. Remove the nuts that attach the transmission mount to the transmission crossmember.
3. Support the transfer case behind the transmission crossmember with a hydraulic jack.
4. Remove the four bolts (two on a side) mounting the transmission crossmember to the frame rails.
5. Raise the transfer case with the hydraulic jack until the transmission mount studs clear the crossmember. Remove the crossmember from the vehicle by shifting it to one side and pulling the opposite side down to free it from the frame brackets.
6. Remove the two bolts that hold the rubber transmission mount to the main steel transmission mount. (Fig. 1)
7. Remove the four bolts that hold the main steel transmission mount to the transmission. Remove the mount from the vehicle. (Fig. 1)
8. Install the new provided transmission mount with the OE hardware in place of the original that was just removed. Torque hardware to 45 ft-lbs.
9. Install the original rubber mount to the new mount with the 7/16" hardware provided. Torque hardware to 45 ft-lbs.
10. Reinstall the transmission crossmember with the original hardware. Torque hardware to 90 ft-lbs.
11. Lower the transfer case to engage the transmission mount studs in the transmission crossmember. Fasten the mount to the crossmember with the original nuts. Torque to 45 ft-lbs.
12. Check all hardware for proper torque.
13. Check hardware after 500 miles.

