

RUGGED OFF ROAD

2-302

2002-05 Dodge 1500

Step by step instructions and checklist: Use the proper tools and safety equipment to perform all work. Torque all fasteners to proper specifications and double check work. Align your vehicle after installation.



Measure ride height then lift vehicle and remove wheels/tires.



Remove the torsion key adjusting bolt. Using a Torsion Bar Unloading Tool relieve the pressure on the key way. Remove the threaded part of the torsion adjuster. Release the tension on the unloading tool



. Slide torsion bar toward the rear allowing the torsion key to be removed



Install the new torsion key and slide torsion bar back into position. Using Torsion Bar Unloading Tool, create enough space to reinsert the torsion key adjuster.



Reinstall the adjusting bolt, and adjust it so ¼" of bolt threads extend beyond torsion key keeper. Lower vehicle to the ground and measure ride height. Adjust as necessary.

Final Checks & Adjustments

Post Installation Warnings: Once the vehicle is lowered to the ground, check all parts which have rubber or urethane components to insure proper torque. Torque wheels to factory specs. Move vehicle backwards and forwards a short distance to allow suspension components to adjust. Turn the front wheels completely left then right and verify adequate tire, wheel, brake line, and ABS wire clearance. Test and inspect steering, brake and suspension components for tightness and proper operation. Inspect brakes hoses and ABS lines for adequate slack at full extension. Failure to perform the post inspection checks may result in vehicle component damage and/or personal injury or death to driver and/or passengers. Test drive vehicle and re-check the torque of all fasteners and re-torque wheels on vehicle.

Wheel Alignment/Headlamp Adjustment:

It is necessary to have a proper and professional wheel alignment performed by a certified alignment technician. Align the vehicle to factory specifications. It is recommended that your vehicle alignment be checked after any off-road driving. In addition to your vehicle alignment, for your safety and others, it is necessary to check and adjust your vehicle headlamps for proper aim and alignment.

Vehicle Re-Torque and Safety Inspection:

Upon completion of all services and adjustments performed on your vehicle, and within 50 miles of driving, check to ensure all fasteners and hardware are properly torqued to specification as noted in the vehicles factory service manual or the torque chart included.