

RUGGED OFF ROAD

9-302

2011-17 GM
2500/3500 2/4WD

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.



Note: To prevent damaging torsion bar tool. Peel back wheel well liner and remove (2) upper shock mounting nuts.



With torsion bar tool remove adjuster bolt.



Adjust loading tool **just enough to remove torsion key** adjusting block from cross member. Release tool and remove.



Then slide torsion bar forward in order to remove torsion key. Use caution while removing.



Install new forged torsion keys into position and slide torsion bar into hex as original.





Use torsion bar loading tool and adjust new forged torsion key up **just enough to allow adjuster block to be reinstalled.**



Now, install torsion key adjuster bolt and adjust for initial setting. Final adjustments will be done during alignment.



Back to the front shocks; pry down enough to allow provided spacers to be installed onto upper shock mounting studs.

		<p>Once you have tightened all hardware and reinstalled and torqued the wheels/tires, it is now necessary to adjust the torsion bar keys to the desired height, (not to exceed 2.25 in.). When adjusting the torsion keys, make sure to take pressure off of the suspension in order to avoid damaging the adjusting bolts. The vehicle will also need to be aligned and final adjustments may be required in order to properly align. Align vehicle to factory specs and be sure to readjust the headlamps as well.</p>
<p>Picture shows spacers being installed onto upper studs.</p>	<p>Reposition shock and tighten with new provided hardware.</p>	

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.