

# RUGGED OFF ROAD

**9-300**  
1988-07 Chevy/GMC  
1500 2/4WD  
**9-301**  
2000-10 2/4WD GM 8 Lug

**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.



<p>Note: This tool/equivalent is required to replace torsion keys</p>	<p>Raise and support vehicle on jack stands at the frame</p>	<p>Locate and remove torsion bar adjusting bolts</p>
<p>Disconnect lower shock hardware.</p>	<p>Install torsion bar loading tool and run torsion key up</p>	<p>Remove torsion key adjusting block from cross-member</p>
<p>Unload torsion key and tool. Then slide torsion bar forward</p>	<p>Note key clocking position. Torsion key can now be removed</p>	<p>Install new forged torsion key in same position.</p>
<p>Reinstall tool and adjust upward enough to insert adj. block</p>	<p>Install adj. bolt and make bolt flush with cross-member</p>	<p>9-300 Install front lower shock extensions and hardware</p>

		<p>Reinstall wheels/tires and torque. Recheck all work performed and test drive vehicle.</p> <p>Note: Initial height can now be set. Final adjustments of the torsion bars may, and should be performed by the alignment shop.</p>
<p>9-301 shock extensions will replace the OE brackets</p>	<p>Install new extension bracket with OE bolts as shown</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.