

# RUGGED OFF ROAD



## 5-104

2005-17 Ford  
F250/350/450/550  
4WD Only

**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>Lift front of vehicle and support with min. 3 ton jack stands.</p>	<p>Remove front wheels and tires.</p>	<p>Support front axle with floor jack(s).</p>
<p>Disconnect dr./pass. front lower shock bolts</p>	<p><b>05-10</b> Disconnect lower sway bar mounting hardware</p>	<p><b>2011-UP</b> Disconnect lower sway bar mounting hardware</p>
<p>Disconnect brake line support bracket</p>	<p>Carefully lower axle and remove coil spring</p>	<p>Remove bolt from middle of spring perch</p>
<p>Place billet spacer on axle under spring perch</p>	<p>Secure with new provided hardware and torque to spec.</p>	<p>Disconnect vacuum line and clip from brake bracket</p>

		Reinstall the factory coil springs with rubber isolators, making sure the springs are clocked properly on the spring perch. Raise axle enough to reconnect the lower shock mounts and sway bar end links. Tighten all hardware to factory spec and reinstall wheels/tires. Torque wheels and test drive.
Bend tab 180 degrees so line will relocate behind bracket	Then reconnect vacuum line and clip and reattach bracket	

## **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.

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