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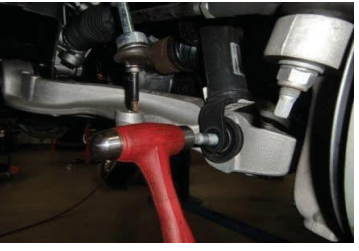
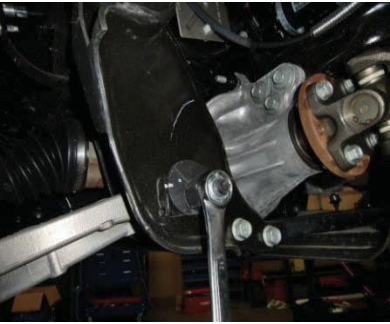

Dodge Ram 1500 4X4

RUGGED OFF ROAD



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>1. Place vehicle on level ground, chock the rear wheels lift and support properly with jack stands. Remove front wheels and tires.</p>	<p>2. Loosen and remove lower sway bar nut.</p> 	<p>3. Disconnect lower strut mount</p> 
<p>4 .Loosen upper ball joint nut. Leave attached.</p> 	<p>5. Carefully strike spindle to break upper ball joint loose.</p> 	<p>6. Picture shows separated upper ball joint. Note gap.</p> 
<p>7. Now remove upper strut mounting nuts.</p> 	<p>8. Using a pry bar, release tension, remove upper ball joint nut.</p> 	<p>9. Gently tap lower strut mounting bolt out.</p> 
<p>10. Mark and loosen front/rear lower control arm alignment cams</p> 	<p>11. Then, lower strut out of frame and remove from vehicle.</p> 	<p>Upon completion on the last step take note that the strut assembly must be installed 180 degrees from its original orientation. Attach the strut assembly with the new hardware provided and tighten to spec. Then perform the previous steps in reverse order. Double check your work and torque all hardware and components to factory or specified torque settings.</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 or the torque chart included.

www.ruggedoffroad.com 888.670.2252