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2001 - 2011 GM SUV 2WD / 4WD 1.25" Rear Coil Spring Spacers Installation Instructions

REQUIRED TOOL LIST:

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Floor Jack
- Jack Stands
- Measuring Tape
- Torque Wrench



Before beginning the installation, thoroughly & completely read these instructions & the enclosed driver's WARNING NOTICE. Affix the WARNING decal in the passenger compartment in clear view of all occupants. Please refer to the Parts List to insure that all parts & hardware are received prior to the disassembly of the vehicle. If any parts are found to be missing, contact SKYJACKER® Customer Service at 318-388-0816 to obtain the needed items. If you have any questions or reservations about installing this product, contact SKYJACKER® Technical Assistance at 318-388-0816.

Make sure you park the vehicle on a level concrete or asphalt surface. Many times a vehicle is not level (side-to-side) from the factory & is usually not noticed until a lift kit has been installed, which makes the difference more visible. Using a measuring tape, measure the rear (both sides) from the ground up to the center of the fender opening above the axle. Record this information below for future reference.

Driver Side Rear: _____ Passenger Side Rear: _____

IMPORTANT NOTES:

- If larger tires (10% more than the stock diameter) are installed, speedometer recalibration will be necessary. Contact your local GM dealer or an authorized dealer for details.
- After installation a qualified alignment facility is required to align the vehicle to factory specifications.

Component Box Breakdown:

Part #: C12CS

Item #	Description	Qty	Item #	Description	Qty
C10CS-S		2	I-C12CS		1

Installation:

1. With the vehicle on flat level ground, set the emergency brake & block the front tires / wheels.
2. Raise the rear of the vehicle & support with jack stands.
3. Remove the rear tires / wheels.
4. Disconnect the ABS lines from the upper control arm mounts & frame on the driver & passenger sides of the vehicle. (See Photo # 1)
5. **Auto Ride Models:** Disconnect the auto ride switch extension rods from the upper control arms & the air supply lines from the rear shocks. **Note:** Be careful not to damage the extension rods & air supply lines. (See Photo # 2 & # 3)
6. Disconnect the brake line bracket from the differential bracket using a 13mm socket.
7. Disconnect the hard brake line bracket next to the lower track bar mount on the driver side & on the axle tube on the passenger side using a 13mm socket. (See Photo # 4)
8. Disconnect the emergency brake cable bracket from the passenger side frame using a 13mm socket. (See Photo # 5)
9. Using a jack to support the rear differential, disconnect the rear sway bar end links at the lower mounts using a 18mm & 19mm socket. (See Photo # 6)



Photo # 1



Photo # 2



Photo # 3



Photo # 4

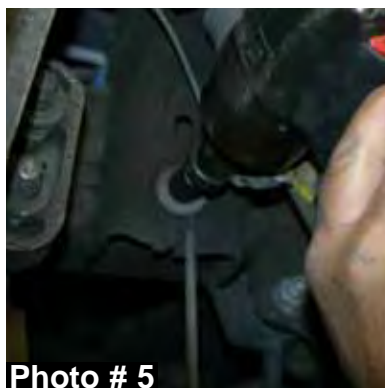
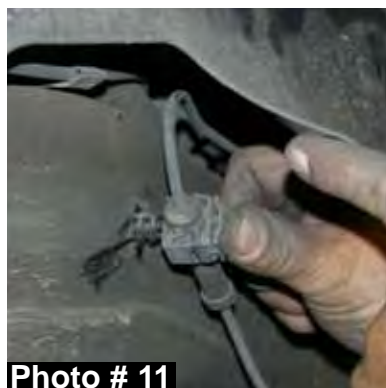


Photo # 5



Photo # 6

10. Disconnect the rear shocks at the lower mounts using a 21mm socket. (See Photo # 7)
11. Lower the rear differential & remove the rear coil springs & isolator pads.
12. Install the new Skyjacker rear coil spring spacer over the lower coil spring mount.
13. Install the coil spring isolator on top of the new Skyjacker coil spring spacer & install the rear coil springs. (See Photo # 8)
14. Connect the rear shocks to the lower mounts using a 21mm socket. (See Photo # 7)
15. Using a jack to support the rear differential, connect the rear sway bar end links at the lower mounts using a 18mm & 19mm socket. (See Photo # 6)
16. Connect the emergency brake cable bracket to the passenger side frame using a 13mm socket. (See Photo # 5)
17. Connect the hard brake line bracket next to the lower track bar mount on the driver side & on the axle tube on the passenger side using a 13mm socket. (See Photo # 4)
18. Connect the brake line bracket to the differential bracket using a 13mm socket.
19. **Auto Ride Models:** Connect the auto ride switch extension rods to the upper control arms & the air supply lines to the rear shocks.
Note: Be careful not to damage the extension rods & air supply lines. (See Photo # 9 & # 10)
20. Connect the ABS lines to the upper control arm mounts & frame on the driver & passenger sides of the vehicle. (See Photo # 11)
21. Install the rear tires / wheels & lower the vehicle to the ground.



FINAL NOTES:

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart below for the proper torque specifications. (Do not retighten the nuts & bolts where thread lock compound was used.)
- With the vehicle placed on the ground, cycle the steering lock to lock & inspect the steering, suspension, brake lines, front & rear drivelines, fuel lines, & wiring harnesses for proper operation, tightness, & adequate clearance.
- Have the headlights readjusted to the proper settings.
- Have a qualified alignment facility realign the vehicle to the factory specifications.
- Retorque all the bolts after the first 100 miles.

TORQUE SPECIFICATIONS					
<u>INCH SYSTEM</u>			<u>METRIC SYSTEM</u>		
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 8.8	Class 10.9
5/16	15 FT LB	20 FT LB	6MM	5 FT LB	9 FT LB
3/8	30 FT LB	35 FT LB	8MM	18 FT LB	23 FT LB
7/16	45 FT LB	60 FT LB	10MM	32 FT LB	45 FT LB
1/2	65 FT LB	90 FT LB	12MM	55 FT LB	75 FT LB
9/16	95 FT LB	130 FTLB	14MM	85 FT LB	120 FT LB
5/8	135 FT LB	175 FT LB	16MM	130 FT LB	165 FT LB
3/4	185 FT LB	280 FT LB	18MM	170 FT LB	240 FT LB

- The above specifications are not to be used when the bolt is being installed with a bushing.

Seat Belts Save Lives, Please Wear Your Seat Belt.