



off-road driven!™

PRO COMP SUSPENSION

51005B

2015 GM Colorado/Canyon 4WD A-Arm Kit

This document contains very important information that includes warranty information and instructions for resolving problems you may encounter. Please keep it in the vehicle as a permanent record.

Part #	Description	Qty.
94-20051	UPPER A-ARM: Drvr	1
94-20054	UPPER A-ARM: Pass	1
90-6968	HARDWARE PACK: A-arm	1
15-11329	BUSHING	8
90-60039	HARDWARE PACK: Grease	1
90-8222	SLEEVE	4
90-4621	SPACER: Top	2
90-40190	SPACER: Bottom	2
90-4623	UNIBALL CUP CAP	2
70-0504501823	1/2" X 4" 12pt. BOLT	2
72-050200512	1/2" Gr. 5 NYLOCK NUT	2
73-05000034	1/2" SAE FLAT WASHER Gr. 8	2
90-4433	GREASE PACK	2
90-4612	1/4"-28 ZERK: Self Tapping	4
90-6902	HARDWARE PACK: ABS Line	1
25C75HC8I/IMP	1/4"-20 X 3/4" HEX BOLT Gr. 8	2
25RWHDI/IMP	1/4"-20 Gr. 5 NYLOCK NUT	2
25CNNLI/GR-C	1/4"-20 HARDENED FLAT WASHER Gr. C	4
90-9607	LOAD WASHER: 2.250 OD x .635 ID X .125"	8

NOTE: All part images may vary from catalog and instructions.

Optional Equipment Available from your Pro Comp Distributor!

2015 Chevrolet Colorado 4WD Leveling Kit: 63162
 2015 Chevrolet Colorado 4WD Leveling Kit w/ 1" Rear Lift Kit: 63162K
 2015 Chevrolet Colorado 4WD 2 5/8" Coilover Lift Kit: 51032BSOR

Also, check out our outstanding selection of Pro Comp tires to
 compliment your new installation!

Introduction:

- ◆ This installation requires a professional mechanic!
- ◆ We recommend that you have access to a factory service manual for your vehicle to assist in the disassembly and reassembly of your vehicle. It contains a wealth of detailed information.
- ◆ Prior to installation, carefully inspect the vehicle's steering and driveline systems paying close attention to the tie rod ends, ball joints, wheel bearing preload, pitman and idler arm. Additionally, check steering-to-frame and suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition. Repair or replace all worn or damaged parts!
- ◆ Read the instructions carefully and study the illustrations before attempting installation! You may save yourself a lot of extra work.
- ◆ Check the parts and hardware against the parts list to assure that your kit is complete. Separating parts according to the areas where they will be used and placing the hardware with the brackets before you begin will save installation time.
- ◆ Check the special equipment list and ensure the availability of these tools.
- ◆ Secure and properly block vehicle prior to beginning installation.
- ◆ **ALWAYS** wear safety glasses when using power tools or working under the vehicle!
- ◆ Use caution when cutting is required under the vehicle. The factory undercoating is flammable. Take appropriate precautions. Have a fire extinguisher close at hand.
- ◆ Foot pound torque readings are listed on the Torque Specifications chart at the end of the instructions. These are to be used unless specifically directed otherwise. Apply thread lock retaining compound where specified.
- ◆ **Please note that while every effort is made to ensure that the installation of your Pro Comp lift kit is a positive experience, variations in construction and assembly in the vehicle manufacturing process will virtually ensure that some parts may seem difficult to install. Additionally, the current trend in manufacturing of vehicles results in a frame that is highly flexible and may shift slightly on disassembly prior to installation. The use of pry bars and tapered punches for alignment is considered normal and usually does not indicate a faulty product. We do not recommend that you modify the Pro Comp parts in any way as this will void any warranty expressed or implied by the Pro Comp Suspension company.**

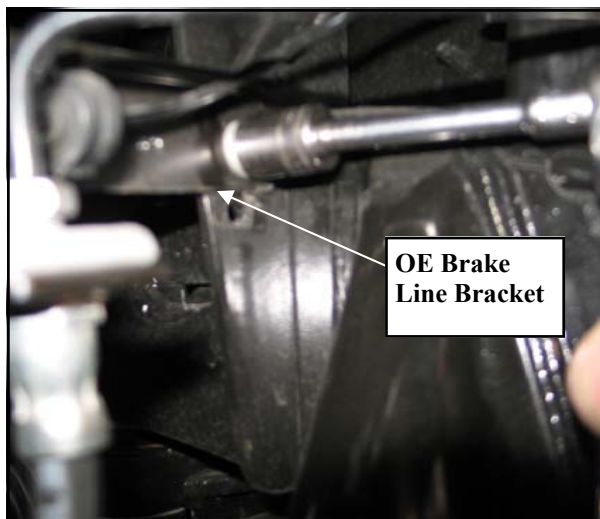
1. Position your vehicle on a smooth, flat, hard surface (i.e. concrete or asphalt). Block the rear tires and set the emergency brake.
2. Measure and record the distance from the center of each wheel to the top of its fender opening. Record below.

LF: _____ RF: _____

LR: _____ RR: _____

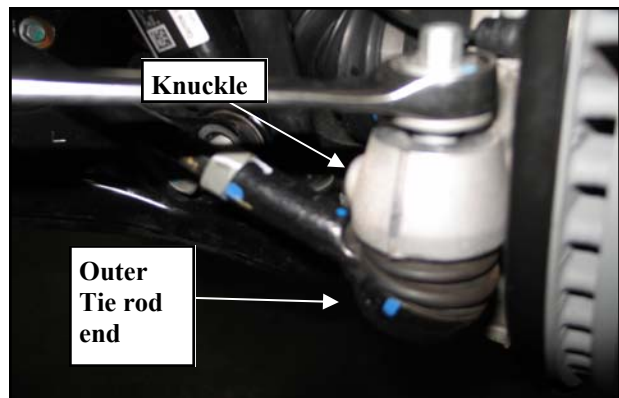


3. Place the vehicle in neutral. Place your floor jack under the front crossmember and raise the vehicle. Place jack stands under the frame rails and lower the frame onto the stands. Remove the jack and place the vehicle back in gear, set the emergency brake, and place blocks both in front and behind the rear wheels.
4. Unbolt the front brake line bracket from the frame and ABS wire from the knuckle. Save OE hardware for reinstallation.

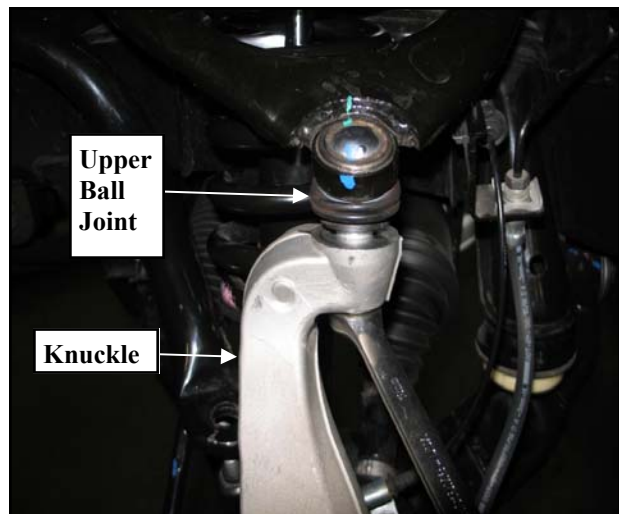


5. Unbolt and remove the sway bar end links from the vehicle.

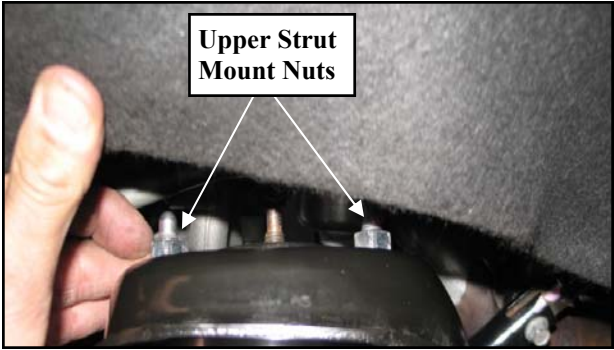
6. Using the proper tool carefully separate the outer tie rod end from the knuckle. Remove the retaining nut and remove the outer tie rod end from the knuckle.



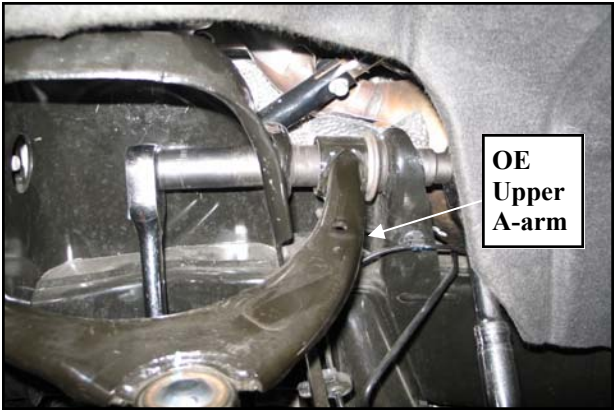
7. Using the proper tool carefully separate the upper ball joint from the knuckle. Loosen but ***DO NOT*** remove the retaining nut from the upper ball joint.



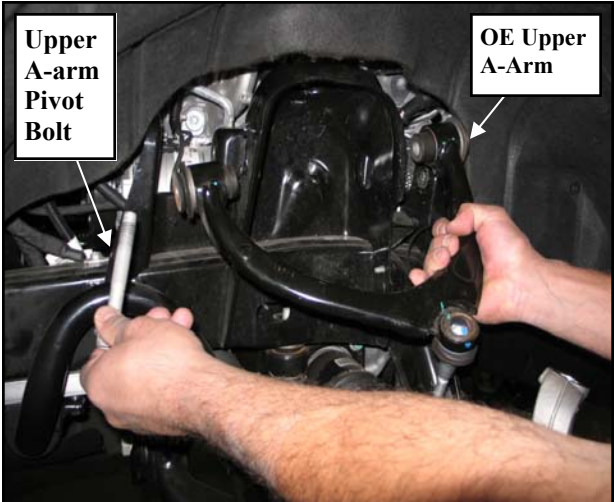
- 8. Support the lower control arm with a jack and unbolt the lower strut mounting bolts from the lower control arm mount.
- 9. Unbolt the (3) OE nuts on the upper strut mounting studs. Carefully remove the strut from the vehicle.



- 10. Remove the OE upper A-Arm pivot bolts.



- 11. Remove the upper A-arm from the vehicle. Save the OE cams and hardware for reinstallation.



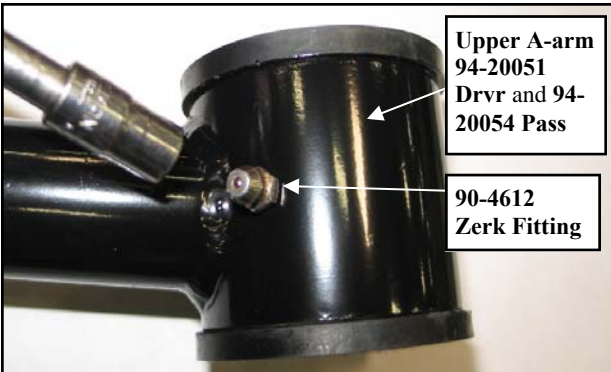
- 12. Install the (4 per arm) bushings (15-11329) into the Pro Comp upper A-arm (94-20051 Drvr and 94-20054 Pass).



- 13. Insert the sleeve (90-8222) into the upper A-arm bushings.
***IMPORTANT!:** Be sure to apply grease from the supplied grease pack (90-4433) to the sleeve before installation.*



- 14. Install the supplied Zerk fitting (90-4612) into the Pro Comp A-arm (94-20051 Drvr and 94-20054).



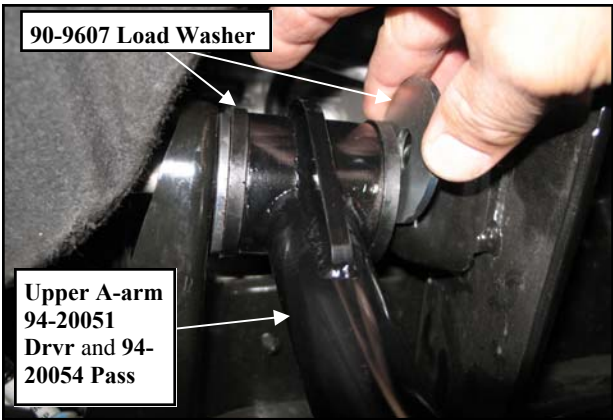
15. Install the coil over strut into the strut tower and secure using the supplied hardware.

NOTE: It may be necessary to push the lower A-arm down to aid in the re-installation of the strut assembly.

16. Install the lower strut hardware into the lower mount.



17. Install the Pro Comp upper A-arm (94-20051 Drvr and 94-20054) into the original mounting location using the previously removed OE pivot bolts, load washers (90-9607) and OE hardware. Torque according to manufacturer's specifications. Be sure to grease the bushings and load washers.

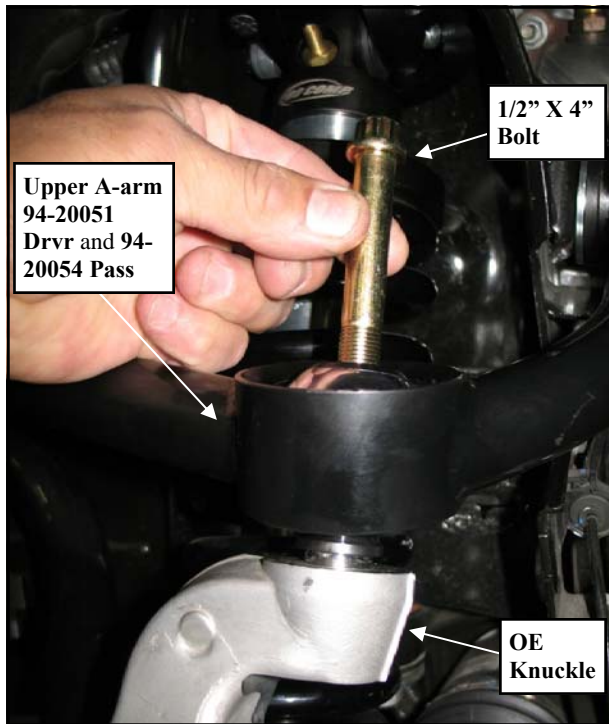


18. Insert spacer (90-4621 top and 90-40190 bottom) into the uniball on the Pro Comp upper A-arm.



19. Raise the lower A-arm and knuckle and secure the upper ball joint mount to the knuckle using the supplied 1/2" X 4" and hardware. Torque 1/2" hardware to 80 ft./lbs.

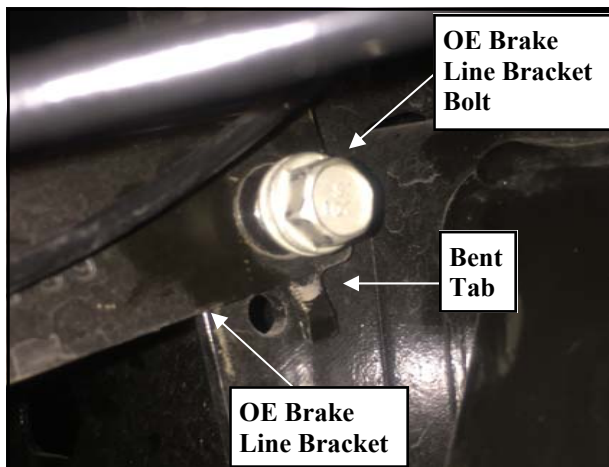
IMPORTANT!: When the 1/2" upper ball joint bolt is properly tightened there will be a 1/16" gap between the OE knuckle and the bottom spacer (90-40190).



20. Reinstall the outer tie rod end to the knuckle. Torque the outer tie rod end nut to manufacturers specifications.

21. Reinstall the front brake line bracket to the frame using the previously removed OE hardware.

NOTE: Bend the tab on the front brake line bracket to allow the bracket to be mounted in it's lowered position.



22. Reinstall the ABS wire onto the knuckle.

21. Torque the upper and lower strut mounting hardware to manufacturers specifications.

22. Reinstall the sway bar end link to the lower control arm and secure top the sway bar. Torque according to manufacturers specifications.

23. Install the uniball cup cap (90-4623) onto the upper A-arm uniball. Tap lightly into place using a dead blow hammer.

24. Repeat the steps 4 Through 23 On the remaining side of the vehicle.

25. Install the front tires/wheels and lower the vehicle onto the ground.

26. Torque all bolts to factory specifications. Re-torque all bolts after 500 miles.

IMPORTANT! BE SURE TO BRING THE VEHICLE IMMEDIATELY TO A REPUTABLE ALIGNMENT SHOP TO BE ALIGNED!



Use this only as a guide for hardware without a called out torque specification in the instruction manual.

Bolt Torque and ID						
Decimal System			Metric System			
All Torques in Ft. Lbs. Maximums						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290

1/2-13x 1.75 HHCS **Grade 5** **Grade 8**
 (No. of Marks + 2)

D T L X

G = Grade (Bolt Strength)
 D = Nominal Diameter (Inches)
 T = Thread Count (Threads per Inch)
 L = Length (Inches)
 X = Description (Hex Head Cap Screw)

M 12-1.25x50 HHCS

D T L X

P = Property Class (Bolt Strength)
 D = Nominal Diameter (Millimeters)
 T = Thread Pitch (Thread Width, mm)
 L = Length (Millimeters)
 X = Description (Hex Head Cap Screw)