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Latest Revision

Date:
9.16.14



off-road driven!™

PRO COMP SUSPENSION

52001B

2004-2014 Ford F-150 2wd/4wd 2.0" 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.
94-8332	UPPER A-ARM: Drvr	1
94-8335	UPPER A-ARM: Pass	1
90-6968	HARDWARE PACK: A-arm	1
15-11329	BUSHING	8
90-6975	HARDWARE PACK: Grease	1
90-8336	SLEEVE	4
90-4611	SPACER: Top	2
90-4610	SPACER: Bottom	2
90-4606	UNIBALL CUP CAP	2
70-0564001823	9/16" X 4" 12pt. BOLT	2
72-056200512	9/16" Gr. 5 NYLOCK NUT	2
73-05600034	9/16" SAE FLAT WASHER Gr. 8	2
90-4433	GREASE PACK	2
90-4612	1/4"-28 ZERK: Self Tapping	4

Optional Equipment Available from your Pro Comp Distributor!

PN 52209B/52209BMX

4WD 6" Suspension Lift Kit

PN 52213/52213MX

2WD 6" Suspension Lift Kit

62160

2WD Level Lift Kit

13137*

Add a leaf kit: (Use with Suspension lift kit)

52211MX*

4WD Coil Over Upgrade Kit

52214MX*

2WD Coil Over Upgrade Kit

52700

Rear end shim kit

72096*

Traction Bar Kit: 4 wd Crew Cab Short Bed

***Install on Pro Comp lift kit equipped vehicles ONLY!**

Also, check out our outstanding selection of Pro Comp tires
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. However, if you are uncertain about some aspect of the installation process, please feel free to call our tech support department at the number listed on the cover page. 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.**

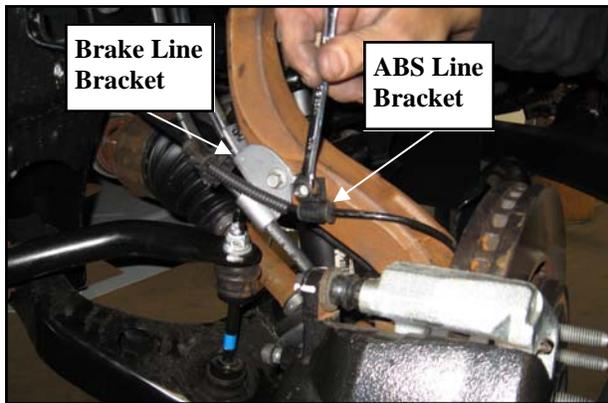
FRONT INSTALLATION:

1. Measure the vehicle from the center of the hub to the fender lip and record this measurement below.

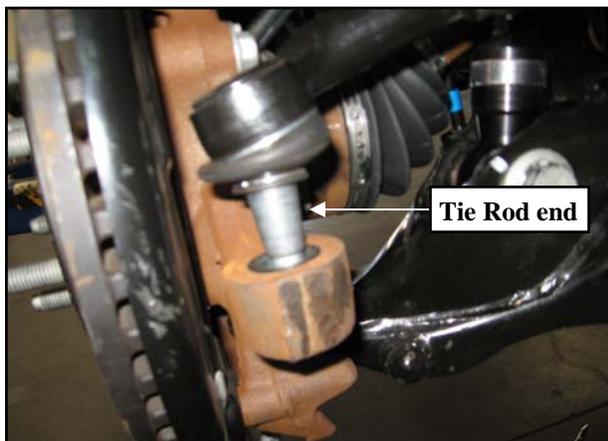
LF: _____ RF: _____

LR: _____ RR: _____

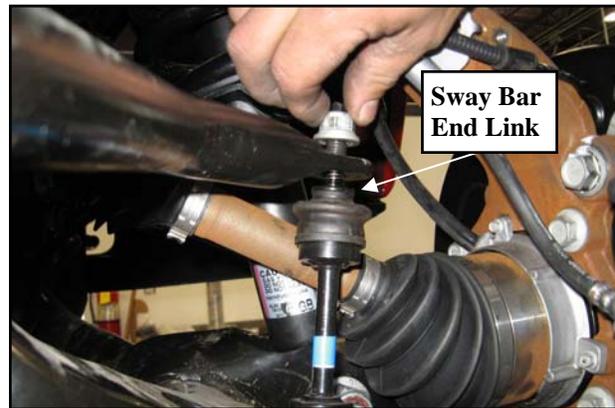
2. Be sure you are working on a level surface. Block the rear tires and raise the front of the vehicle. Support the frame with jack stands under the front crossmember.
3. Remove the front wheels.
4. Work on one side of the vehicle at a time.
5. Remove the dust cap from the hub.
6. Unbolt the OE brake line, ABS line and brackets from the side of the knuckle. Save the hardware for reinstallation.



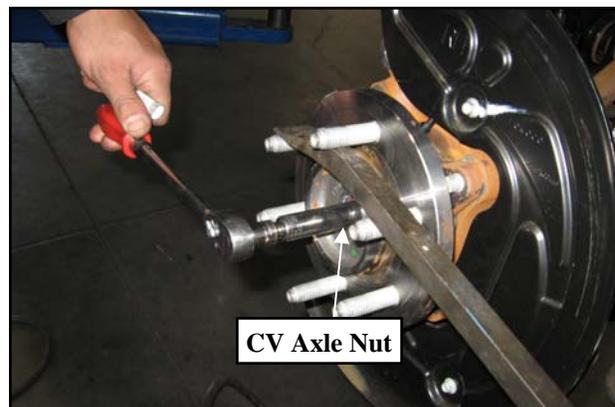
7. Remove the vacuum line from the back of the hub.
8. Remove the tie rod end nut and separate from the knuckle using the appropriate tool.



9. Unbolt the sway bar from the sway bar end links. Save hardware for reinstallation.



10. Remove the CV axle end nut. Save for reinstallation.



11. Unbolt the upper ball joint nut, but do not remove it from the knuckle. Separate using the appropriate tool.



12. Remove upper ball joint nut to free the axle.
13. Carefully slide the CV axles from the hub.

14. Remove the lower strut bolt from the lower control arm. Save the hardware for reinstallation. Be sure to note the direction of the bolt for reinstallation.

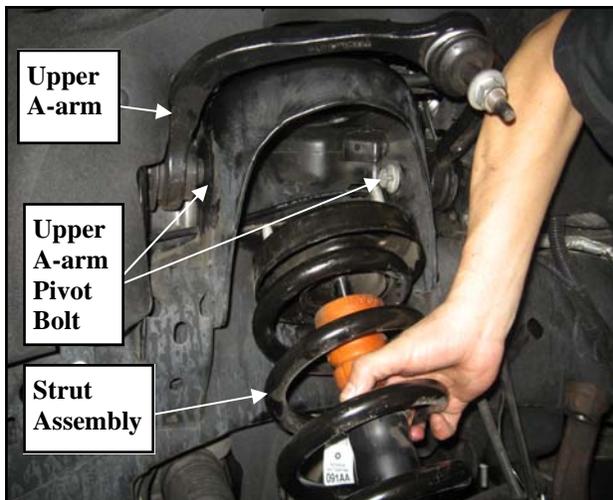
NOTE: The direction of the bolt for reinstallation.



15. Remove (3) upper strut tower nuts holding the strut assembly to the strut tower. Save the hardware for reinstallation.



16. Remove the strut assembly from the vehicle.



17. Remove the OE upper A-Arm pivot bolts.
18. Remove the upper A-arm from the vehicle. Save the OE hardware for reinstallation.



19. Install the (4 per arm) bushings (15-11329) into the Pro Comp upper A-arm (94-8332 Drvr and 94-8335 Pass).



20. Insert the sleeve (90-8336) into the upper A-arm bushings.

IMPORTANT!: Be sure to apply grease from the supplied grease pack (90-4433) to the sleeve before installation.



21. Install the supplied Zerk fitting (90-4612) into the Pro Comp A-arm (94-8332 Drvr and 94-8335).



22. 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.

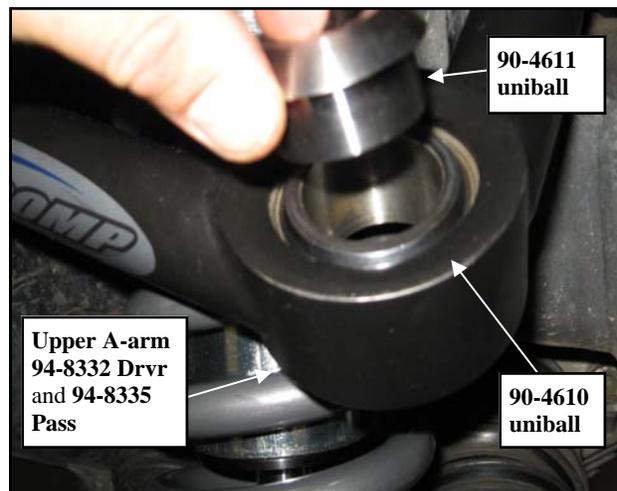


23. Install the supplied misalignment spacers and OE lower strut bolt in the original position that it was removed.

24. Install the Pro Comp upper A-arm (94-8332 Drvr and 94-8335) into the original mounting location using the previously removed OE pivot bolts. Torque according to manufacturer's specifications.



25. Insert spacer (90-4611 top and 90-4610 bottom) into the uniball on the Pro Comp upper A-arm.

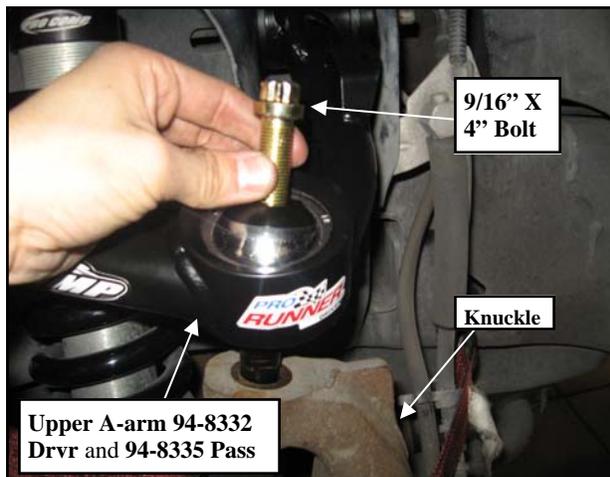


26. Carefully guide the CV axle through the hub and raise the lower A-arm and knuckle and secure the upper ball joint mount to the knuckle using the supplied 9/16" X 4" and hardware. Torque 9/16" hardware according

to chart on page 8.

NOTE: It may help to turn the wheel to aid in reinstallation of the CV axle into the hub.

IMPORTANT!: When the 9/16" upper ball joint bolt is properly tightened there will be a 1/16" gap between the OE knuckle and the bottom spacer (90-



4610).

27. Reconnect the sway bar to the end links using the previously removed **OE** hardware.
28. Reconnect the ABS lines and brake lines to the knuckle using the previously removed hardware.
29. Reinstall the tie rod end to the knuckle. Torque to factory specifications.
30. Reinstall the CV end nut and dust cap. Torque the nut to factory specifications.
NOTE: Be sure to use thread locker on the OE bolt.
31. Repeat steps 5 through 31 on the remaining side of the vehicle.
32. Install the uniball cup cap (**90-4606**) onto the upper A-arm uniball. Tap lightly into place using a dead blow hammer.
33. Reinstall the front wheels.
34. Now would also be a good time to inspect the rear shocks for damage or fluid leakage. Replace if necessary.

NOTE: For improved performance Pro Comp rear shocks are recommended.

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

36. Torque all bolts to factory specifications. Retorque all bolts after 500 miles.

NOTES:

- ⇒ On completion of the installation, have the suspension and headlights re-aligned.
- ⇒ After 100 miles recheck for proper torque on all newly installed hardware.
- ⇒ Recheck all hardware for tightness after off road use.

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

<p>1/2-13x1.75 HHCS</p> <p>D T L X</p>	<p>Grade 5 Grade 8</p> <p>(No. of Marks + 2)</p>
<p>M12-1.25x50 HHCS</p> <p>D T L X</p>	<p>P</p>

<p>G = Grade (Bolt Strength)</p> <p>D = Nominal Diameter (Inches)</p> <p>T = Thread Count (Threads per Inch)</p> <p>L = Length (Inches)</p> <p>X = Description (Hex Head Cap Screw)</p>	<p>P = Property Class (Bolt Strength)</p> <p>D = Nominal Diameter (Millimeters)</p> <p>T = Thread Pitch (Thread Width, mm)</p> <p>L = Length (Millimeters)</p> <p>X = Description (Hex Head Cap Screw)</p>
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Revision Page:

9.16.14: Added important note after step 26.



The PRO COMP PROMISE WARRANTY

At Pro Comp, we know you have many choices when selecting products to personalize your vehicle. You should demand nothing but the highest quality available and have total confidence that the products you selected are the best in the industry. It is for these reasons that Pro Comp Suspension products are backed by the best warranty in the industry...the Pro Comp Promise!

Pro Comp promises that its products will last a lifetime or we will replace it free of charge. It's that simple! Because of our commitment to quality and manufacturing excellence, we are able to stand behind our products. FOREVER.

It is Pro Comp's Promise that if one of our suspension products breaks not due to misuse, neglect or vandalism, we will replace it. Whether you are the original purchaser or not, you can be assured that we will make it right. The Pro Comp Promise covers all suspension products including shocks and steering stabilizers. Buy Pro Comp Suspension today and enjoy it for the rest of your life!

That's our Pro Comp Promise!

Notice to Owner, Operator, Dealer and Installer:

Vehicles that have been enhanced for off-road performance often have unique handling characteristics due to the higher center of gravity and larger tires. This vehicle may handle, react and stop differently than many passenger cars or unmodified vehicles, both on and off-road. You must drive your vehicle safely! Extreme care should always be taken to prevent vehicle rollover or loss of control, which can result in serious injury or even death. Always avoid sudden sharp turns or abrupt maneuvers and allow more time and distance for braking! Pro Comp reminds you to fasten your seat belts at all times and reduce speed! We will gladly answer any questions concerning the design, function, maintenance and correct use of our products.

Please make sure that the Dealer / Installer explains and delivers all warning notices, warranty forms and instruction sheets included with Pro Comp product.

Warranty and Return Policy:

Pro Comp warrants its full line of products to be free from defects in workmanship and materials for the life of the product. Pro Comp's obligation under this warranty is limited to repair or replacement, at Pro Comp's option, of the defective product. Any and all costs of removal, installation, freight or incidental or consequential damages are expressly excluded from this warranty. Pro Comp is not responsible for damages and / or warranty of other vehicle parts related or non-related to the installation of Pro Comp product. A consumer who makes the decision to modify his vehicle with aftermarket components of any kind will assume all risk and responsibility for potential damages incurred as a result of their chosen modifications. Warranty coverage does not include consumer opinions regarding ride comfort, fitment and design. Warranty claims can be made directly with Pro Comp or at any factory authorized Pro Comp dealer.

IMPORTANT! To validate the warranty on this purchase please be sure to mail in the warranty card.

Claims not covered under warranty

* Parts subject to normal wear; this includes bushings, bump stops, ball joints, tie rod ends and heim joints.

* Finish after 90 days.

* Damage caused as a result of not following recommendations or requirements called out in the installation manuals.

Pro Comp MX Series coil-over shocks are considered a serviceable shock with a one-year warranty against leakage only. Rebuild service and replacement parts will be available and sold separately by Pro Comp. Contact Pro Comp for specific service charges. Pro Comp accepts no responsibility for any altered product, improper installation, lack of or improper maintenance or improper use of our products.

E-Mail: info@procompusa.com
Website: www.procompusa.com
Fax: (310) 747-3912
Ph: 1-800-776-0767

PLACE
WARRANTY REGISTRATION
NUMBER
HERE: _____